Index for Years 1979, 1980, and 1981

Volumes 59, 60, and 61

Note: Page numbers of symposium and articles are in **boldface** type. The volume is in *italic* type.

SYMPOSIA

1979

February	ENDOCRINE SURGERY
April	SURGICAL ASPECTS OF IMMUNOLOGY
June	ADVANCES IN SMALL HOSPITAL CARE
August	PERIPHERAL VASCULAR SURGERY
October	NEW METHODS OF TREATMENT OF GASTROINTESTINAL DISEASE
December	MORBID OBESITY

1980

February	SURGICAL INFECTIONS
April	MODERN TECHNIQUES IN SURGERY AT THE LAHEY CLINIC I
June	MODERN TECHNIQUES IN SURGERY AT THE LAHEY CLINIC II
August	NONCARDIAC THORACIC SURGERY
October	COMPLEX SURGICAL PROBLEMS
December	RESPIRATORY CARE IN SURGERY

1981

February	LIVER, SPLEEN, AND PANCREAS
April	PRACTICAL SURGERY OF THE HAND
June	SURGICAL NUTRITION
August	BILIARY TRACT DISEASE
October	PEDIATRIC SURGERY
December	ADJUVANT TREATMENT OF CANCER

ABDOMEN, abscess of, occult, antibiotic therapy for, *1979:* Oct., 929
examination of, by laparoscopy, *1980:* April, **407–423**
wall of, congenital defects of, *1981:* Oct., **1037–1049**
Abdominal pain, in children, *1981:* Oct., 1120
Abdominoperineal resection, *1980:* Feb., 37
neurovesical dysfunction after, *1980:* Oct., **1207–1213**
Abscess. See also organ or part involved.
biliary tract, aspiration and drainage, *1981:* Aug., 817
brain, *1980:* Feb., 56
hepatic. See under *Liver*.
intra-abdominal, postoperative, *1980:* Feb., **197–212**
pancreatic, *1981:* Aug., 935
peripancreatic, *1981:* Feb., 68
pulmonary, *1980:* Aug., 835–841; Dec., 1470–1471
radiography of, *1980:* Aug., 739
Acalculous cholecystitis, after trauma, *1981:* June, 676
Acids, fatty, deficiency of, *1979:* Oct., 764
Acoustic neuroma, suboccipital microsurgical removal of, *1980:* June, **565–591**
Actinomycin, in combination chemotherapy for malignant melanoma, *1981:* Dec., 1253
Acute cholecystitis, *1981:* Aug., 875–881
^{99m}Tc cholescintigraphy in, *1981:* Aug., 831
Acute respiratory distress syndrome (ARDS), *1981:* June, 674–675
after hemorrhage and trauma, physiologic determinants of, *1980:* Dec., 1414–1415
and increased intracranial pressure, *1980:* Dec., 1424–1425
and nutrition, *1980:* Dec., 1424
conditions causing, *1980:* Dec., 1359–1360
hemodynamics, *1980:* Dec., 1417–1418
identification of patients at risk, *1980:* Dec., 1359–1361
in intensive care unit, *1980:* Dec., **1413–1426**
intermittent mandatory ventilation in, *1980:* Dec., 1422
late, *1980:* Dec., 1416
monitoring of, *1980:* Dec., 1416–1417
positive end-expiratory pressure in, *1980:* Dec., 1421–1422
prevention of, in high risk patients, *1980:* Dec., 1359–1370
renal failure in, *1980:* Dec., 1423–1424
sepsis in, *1980:* Dec., 1422–1423
ventilation-perfusion abnormalities in, *1980:* Dec., 1415–1416
Adenocarcinoma, of colon, resectable, 5-fluorouracil for, *1981:* Dec., 1316–1317
pulmonary, *1980:* Aug., 797
Adenoma, bronchial, *1980:* Aug., 797
of pituitary gland, *1980:* Oct., **1201–1206**
Adenomatosis, multiple endocrine, hormone production and, *1979:* Feb., 103
Adenosine triphosphate, in intravenous nutrition, *1981:* June, 515
Adipose tissue, cellularity of, measurement of, *1979:* Dec., 982
development of, *1979:* Dec., 997
Adipose tissue (*Continued*)
morphology of, morbid obesity and, *1979:* Dec., **977–983**
Adiposity index, *1979:* Dec., 965
Adjuvant therapy, surgical, for malignant melanoma, *1981:* Dec., 1259–1266
Adrenal cortex, autotransplantation of, in Cushing's disease, *1979:* Feb., 162–164
Adrenal medulla, carcinoma of, *1979:* Feb., 98–99
Adrenalectomy, in Cushing's disease, *1979:* Feb., 160–161
Adrenocortical imaging, in Cushing's disease, *1979:* Feb., 164
Adriamycin, as cause of extravasation injury, *1979:* Oct., **945–946**
for nonseminomatous testicular cancer, *1981:* Dec., 1334
Adult respiratory distress syndrome, causes of, *1980:* Dec., 1379–1387
characterization of, *1980:* Dec., 1378–1379
depression of reticuloendothelial system in, *1980:* Dec., 1383
microembolization in, *1980:* Dec., 1381–1383
neurogenic factors in, *1980:* Dec., 1380–1381
sepsis-induced, role of leukocytes in, *1980:* Dec., 1384
Aerophagia, in children, *1981:* Oct., 1182
Age, anergy and, *1979:* April, 194, 201
Agranulocytosis, drug-induced, *1980:* Feb., 76
Air flow handling, surgical infections and, *1980:* Feb., 35–36
Airway. See also *Ventilation*.
artificial, for infant, *1980:* Dec., 1530–1531
burns, fiberoptic bronchoscopy for, *1980:* Dec., 1536
conditions, and pulmonary pathophysiology, *1980:* Dec., 1330
obstruction, *1980:* Dec., 1543–1544
"Albatross" syndrome, prevention of, *1979:* Oct., **935–938**
Albumin, for aspiration pneumonia, *1980:* Dec., 1560–1561
serum, assessment of visceral protein, *1981:* June, 457
Alcohol, pancreatitis and, *1981:* Feb., 56
Allograft, survival of, immunocompetence and, *1979:* April, 263
Alpha$_1$ antitrypsin, deficiency of in bronchiectasis, *1980:* Aug., 867
Alpha-fetoprotein, as tumor marker, *1979:* April, 319; *1981:* Dec., 1332
Alveolar collapse, *1980:* Dec., 1324–1326
Alveolar membrane, physiology of, *1980:* Dec., 1377–1378
Amaurosis fugax, in carotid artery disease, *1979:* Aug., 539
Amino acids, in intravenous nutrition, *1981:* June, 515
in total parenteral nutrition, *1979:* Oct., 771
modified, in nutritional support of patients with liver disease, *1979:* Oct., 779
requirements, *1981:* June, 495, 496
Aminoglycosides, nephrotoxicity of, *1980:* Feb., 74
Amputation, lumbar sympathectomy and, *1979:* Aug., 731
of fingertip, 249–254
Amylase, *1981:* Feb., 49

Anaerobic infection, *1980:* Feb., **49–63**
diagnosis of, *1980:* Feb., 52–55
Anal sphincter, reconstruction of, *1980:* April, **457–463**
Anaphylaxis, pencillin-induced, *1980:* Feb., 66
Anastomosis, bowel, with stapler, *1980:* April, 383–393
Anemia, hemolytic, immune, drug-induced, *1980:* Feb., 77
Anergy, conditions associated with, *1979:* April, 189–196
treatment of, *1979:* April, 195
Anesthesia. See also specific agents.
in gastrointestinal surgery, *1979:* Oct., **905–917**
in infants and children, *1981:* Oct., **997–1012**
in treatment of hand injuries, *1980:* June, 680–682
respiratory complications of, *1979:* Oct., 909–910
Aneurysms, aortic, treatment of, current status, *1979:* Aug., **597–636**
arterial, peripheral, management of, *1979:* Aug., **693–706**
false, as complication of vascular surgery, *1979:* Aug., 664–665
mycotic, in drug addict, *1979:* Aug., 701–702
primary, *1979:* Aug., 703
of aorto-iliac system, extraanatomic bypass grafts for, *1979:* Aug., 650–651
popliteal, *1979:* Aug., 703–704
Angiitis, hypersensitivity, *1980:* Feb., 68
Angiography, complications of, *1979:* June, 496–497
for mediastinal mass, *1980:* Aug., 763
in chronic/recurrent gastrointestinal bleeding, *1979:* Oct., **811–829**
in localization of insulinoma, *1979:* Feb., 122–123
in localization of pancreatic tumors, *1979:* Feb., 133
in small hospital, *1979:* June, **495–500**
Angiotomography, mediastinal, *1980:* Aug., 731
Annular pulley, *1981:* Apr., 270
Anorexia, in cancer, *1981:* June, 693
Antacid, for gastroduodenal disease, *1980:* Oct., 1031
Antibacterial agents, adverse effects of, *1980:* Feb., **65–81**
Antibiotics. See also names of drugs.
for pneumonia, *1980:* Dec., 1399
in femoro-popliteal-tibial grafting, *1979:* Aug., 589
interactions with anesthetic drugs, *1979:* Oct., 914
prophylactic, for surgical patient, *1980:* Feb., **83–92**
perioperative, for aortic aneurysm, *1979:* Aug., 599
in abdominal surgery, *1979:* Oct., **919–933**
Anticancer agents. See *Chemotherapy.*
Antidepressants, tricyclic, interactions with anesthetic drugs, *1979:* Oct., 915
Antilymphocyte globulin (ALG), before kidney transplant, *1978:* April, 278–279
immunosuppressive properties of, *1979:* April, 290
Antithyroid drugs, *1979:* Feb., 36
Antrum, gastric, arteriovenous malformation of, angiography in, *1979:* Oct., **815–820**
Aorta, aneurysm of, surgical treatment of, *1979:* Aug., **597–636**
coarctation of, *1981:* Oct., 1070
reconstruction of, in aorto-iliac disease, *1979:* Aug., **565–579**
trauma to, *1980:* Aug., 978–980
Aortic arch, branches of, and vertebral arteries, atherosclerosis of, surgery for, *1979:* Aug., **669–680**
Aortic stenosis, neonatal repair, *1981:* Oct., 1073
Aorto-femoral-popliteal reconstruction, simultaneous, *1979:* Aug., 577–578
Aorto-iliac reconstruction, *1979:* Aug., **565–579**
endarterectomy vs. bypass grafting in, *1979:* Aug., 571–573
Aorto-iliac segment, arteriosclerotic disease of, *1979:* Aug., 565–570
Aortorenal saphenous vein bypass graft, for renovascular hypertension, *1980:* June, **487–501**
Aplastic anemia, drug-induced, *1980:* Feb., 76
Apnea, after repair of esophageal atresia, *1981:* Oct., 1058
Appendectomy, incidental, risk of, *1980:* Feb., 33
Appendicitis, in children, *1981:* Oct., **1117–1124**
APUD cell system, carcinoid tumors of, bronchial, *1979:* Feb., 145
drug therapy of, *1979:* Feb., 147–148
gastric, *1979:* Feb., 145
midgut, *1979:* Feb., 144
pancreaticoduodenal, *1979:* Feb., 145–146
surgical treatment of, *1979:* Feb., 147
characteristics of, *1979:* Feb., 93–94
diarrheogenic syndromes of, *1979:* Feb., 143–153
embryogenesis of, *1979:* Feb., 94
hyperplasia in, *1979:* Feb., 100
immunocytochemical aspects, *1979:* Feb., 102–105
paraganglioma of, *1979:* Feb., 154
pathobiology of secretion in, *1979:* Feb., 94
somatostatinoma of, *1979:* Feb., 153
tumors of, *1979:* Feb., **93–108**
ectopic, *1979:* Feb., 155–157
mastocytosis syndrome, *1979:* Feb., 155
uncommon, *1979:* Feb., **143–158**
watery diarrhea, hypokalemia, achlorhydria syndrome of, *1979:* Feb., 148–150
Arachnoid plane, preservation of, in removal of acoustic neuroma, *1980:* June, 574–575
ARDS. See *Acute respiratory distress syndrome (ARDS).*
Arm muscle area, measurement, *1981:* June, 453–454
Arterial-venous oxygen difference, equation for, *1980:* Dec., 1443
Artery(ies). See also specific names.
aorto-femoral-popliteal, reconstruction of, simultaneous, *1979:* Aug., 577–578
aorto-iliac, reconstruction of, *1979:* Aug., **565–579**
carotid, occlusive disease, endarterectomy for, *1979:* Aug., 677–678
surgery, complications following, *1979:* Aug., 661
in cerebral ischemia *1979:* Aug., **539–553**

Artery(ies) (*Continued*)
celiac, revascularization of, *1979:* Aug., 642
coronary, trauma to, *1980:* Aug., 977
emboli of, Fogarty catheter for removal of, *1979:* Aug., 749–753
femoral, aneurysms of, *1979:* Aug., 694–700
femoro-popliteal and femoro-tibial, reconstruction of, *1979:* Aug., **581–596**
femoro-tibial, reconstruction of, for limb salvage, *1979:* Aug., 589–593
inferior mesenteric, and ischemia of colon, *1979:* Oct., 891–893
occlusive disease of, surgery for, endarterectomy vs. bypass grafting, *1979:* Aug., 679–680
popliteal, injuries to, management in small hospital, *1979:* June, **507–515**
repair of, posterior vs. medial approach, *1979:* June, 510–516
proximal extracranial, atherosclerosis of, surgery for, *1979:* Aug., **669–680**
reconstruction of, complications following, *1979:* Aug., **659–668**
renal, fibrodysplastic disease of, dilatation for, *1979:* Aug., 561
reconstruction of, *1979:* Aug., **555–563**
surgery for, complications, *1979:* Aug., 661
superior mesenteric, disease of, gastrointestinal complications of, *1979:* Oct., 886–891
vertebral, and aortic arch, atherosclerosis of, surgery for, *1979:* Aug., **669–680**
endarterectomy for, *1979:* Aug., 678–679
Arteriography, complications of, *1979:* June, 496–497
in cerebral ischemia, *1979:* Aug., 543, 552
in determination of renal artery disease, *1979:* Aug., 557–558
in intestinal ischemia, *1979:* Aug., 638, 640
in small hospital, *1979:* June, **495–500**
intraoperative, in repair of popliteal artery, *1979:* June, 510, 517
Arteriovenous malformation, of colon, angiography in, *1979:* Oct., 821–829
of gastric antrum, angiography in, *1979:* Oct., 815–820
Arthritis, inflammatory, development of, *1981:* Apr., 365–366
immunopathology of, *1981:* Apr., **353–368**
Arthrography, arthroscopy and, in small hospital, *1979:* June, **483–493**
complications of, *1979:* June, 487
of knee, *1979:* June, 485–491
single, technique of, *1979:* June, 484–485
Arthroplasty, implant, in hand, *1981:* Apr., **369–382**
in upper extremity, *1981:* Apr., 369–382
implant resection, *1981:* Apr., 372–373
resection, *1981:* Apr., 371
Arthroscopy, arthrography and, in small hospital, *1979:* June, **483–493**
of knee, *1979:* June, 491–493
Ascites, pancreatic, *1981:* Feb., 76
Ascorbic acid, *1981:* June, 501–502
Aspergilloma, *1980:* Aug., 908–909
Asphyxia, traumatic, in infants and children, *1981:* Oct., 1185
Aspiration, needle, therapy for spontaneous pneumothorax, *1980:* Aug., 853
Aspiration (*Continued*)
prevention of, *1980:* Dec., 1346–1347
pulmonary, postoperative, *1980:* Dec., 1346
Aspiration biopsy, radiographically guided, of biliary tract, *1981:* Aug., 814–817
Aspiration pneumonia. See *Pneumonia, aspiration*
Aspiration biopsy cytology, of thyroid gland, *1979:* Feb., **3–18**
Aspiration therapy, in cystic thyroid lesions, *1979:* Feb., 30
Asthma, physiology of lungs in, *1980:* Dec., 1333
Atelectasis, bronchoscopy in, *1980:* Dec., 1397
causes, *1980:* Dec., 1339, 1392–1393
clinical findings in, *1980:* Dec., 1391
continuous positive airway pressure in, *1980:* Dec., 1398–1399
development of pneumonia and, *1980:* Dec., 1394
endotracheal intubation for, *1980:* Dec., 1397–1398
endotracheal suctioning in, *1980:* Dec., 1396
incentive devices in, *1980:* Dec., 1395
intratracheal catheter in, *1980:* Dec., 1396
patient position in, *1980:* Dec., 1394–1395
physiotherapy in, *1980:* Dec., 1396
positive end-expiratory pressure in, *1980:* Dec., 1398–1399
prevention of, *1980:* Dec., 1339–1344
radiograph of, *1980:* Dec., 1510
Atherosclerosis, progression of, following revascularization procedures, *1979:* Aug., 667–668
Atlantoaxial fusion, *1980:* Oct., 1040–1041
Autosplenic transplantation, function of, *1979:* April, 223, 230
Autotransfusions, using small hospital blood bank, *1979:* June, 478, 482
Aversive conditioning, for treatment of obesity, *1979:* Dec., 1011
Azathioprine (Imuran), as an immunosuppressive agent, *1979:* April, 286–287
Azotemia, prerenal, drug-induced, *1980:* Feb., 73

BACILLUS Calmette-Guerin (BCG), for large bowel carcinoma, *1981:* Dec., 1298
for lung cancer, intralesional injection, *1981:* Dec., 1292
for malignant melanoma, *1981:* Dec., 1260–1261, 1269
chemotherapy and, *1981:* Dec., 1253
with neuraminidase-treated allogeneic cells, *1981:* Dec., 1269
for pulmonary lesions, *1980:* Aug., 823
for superficial bladder tumors, *1981:* Dec., 1335–1336
immunotherapeutic function of, *1979:* April, 201, 355, 372
intradermal, for lung cancer, *1981:* Dec., 1290–1291
intrapleural, for lung cancer, *1981:* Dec., 1291–1292
methanol extract residue of. See *MER*.
therapy for malignant melanoma, *1981:* Dec., 1250–1251, 1252
compared with *C. parvum*, *1981:* Dec., 1250

Bacillus Calmette-Guerin (BCG) (*Continued*)
toxicity of, *1981:* Dec., 1274
Bacterial infection, in surgical patient, *1980:* Feb., 118–120
Bacteroides fragilis, in pulmonary abscess, *1980:* Aug. 839
infection, therapy for, *1980:* Feb., 61–63
Ballance's sign, *1981:* Feb., 3
Balloon tip catheter, in endoscopic stone removal, *1981:* Aug., 858
Basal energy expenditure (BEE), equation, *1981:* June, 493
Basal metabolic rate (BMR), *1981:* June, 493, 545–547, 574–575
in disease, *1981:* June, 577
B-cell, role in humoral immunity, *1979:* April, 207, 208, 236, 324, 327
role of thymus in development of, *1979:* April, 305–307
surface markers, *1979:* April, 240
BCG. See *Bacillus Calmette-Guerin (BCG).*
BCNU, in combination chemotherapy for malignant melanoma, *1981:* Dec., 1253
toxicity of, *1981:* Dec., 1274
Beckwith-Weidemann syndrome, *1981:* Oct., 1039
BEE. See *Basal energy expenditure (BEE).*
Behavior modification, for morbid obesity, *1979:* Dec., **1007–1015**
Belcher's complex, *1980:* Aug., 909
Bile, analysis of, in dissolution of gallstones, *1979:* Oct., 804–805
cholesterol supersaturation of and lithogenesis, *1981:* Aug., 765–766, 876, 893–894
role in pancreatitis, *1981:* Aug , 924–925
Bile duct. See *Common bile duct.*
Bile gastritis, postoperative, *1979:* Oct., 781–786
Biliary atresia, *1981:* Oct., **1079–1088**
Biliary obstruction, in neonate, *1981:* Aug., 987–992
Biliary stricture, *1981:* Aug., **963–972**
benign, management of, *1980:* April, **313–332**
Biliary tract, CT of, *1981:* Aug., 789
disease, pediatric, ^{99m}Tc cholescintigraphy in, *1981:* Aug., 838, 840
symposium on, *1981:* Aug., **765–992**
ultrasound versus computed tomography, *1981:* Aug., 787–788
drainage, internal, *1981:* Aug., 783–784
percutaneous transhepatic approach, *1981:* Aug., 783
Biliary tract, obstruction, extrahepatic, *1981:* Feb., 75
surgery of, intubation techniques for, *1980:* April, **297–312**
prophylactic antibiotics in, *1979:* Oct., 922–924
ultrasound examination of, *1981:* Aug., 791–794
Biliary tree, extrahepatic, diseases, cholangiography of, *1981:* Aug., 847, 852–853
intrahepatic, CT examination of, *1981:* Aug., 801, 806
diseases, cholangiography of, *1981:* Aug., 846–847
ultrasound examination of, *1981:* Aug., 800–801, 806
radiology of, *1981:* Aug., **775–786**
radionuclide imaging of, *1981:* Aug., **827–842**
Bilirubin, in assessment of liver function, *1981:* Feb., 198
Biopsy. See also names of specific organs.
aspiration, for mediastinal mass, *1980:* Aug., 764
in pulmonary lesions in immune-compromised patients, *1980:* Aug., 927
fine needle, for pulmonary nodules, *1980:* Aug., 749
in lung cancer, *1980:* Aug., 801
needle, versus needle aspiration biopsy, *1979:* Feb., 6
needle aspiration, aspiration biopsy cytology technique, *1979:* Feb., 4–7
of lung, *1980:* Dec., 1471–1473
of pancreatic lesions, *1981:* Feb., 108
open lung, for pulmonary lesions, *1980:* Aug., 927
percutaneous needle, for pulmonary lesions, *1980:* Aug., 828–829
scalene node, for staging lung cancer, *1980:* Aug., 805
Biostereometrics, *1981:* June, 746–747
Bladder, contracted, enlargement of, *1980:* June, **703–710**
dysfunctional, in children, diversion and undiversion procedures in, *1981:* Oct., **1147–1164**
ileocecal, *1980:* June, 698
injury to, *1979:* June, 405
invasive cancer of, cystectomy and urinary diversion for, *1981:* Dec., 1336
stress incontinence of, *1980:* April, **425–435**
superficial tumors of, treatment, *1981:* Dec., 1335–1336
Blastomycosis, North American, *1980:* Aug., 904–906
Bleeding. See also *Hemorrhage.*
gastrointestinal, angiography in, *1979:* Oct., **811–829**
rectal, colonoscopy in, *1979:* Oct., 793–794
Bleomycin, for nonseminomatous testicular cancer, *1981:* Dec., 1333–1334
Blind loop syndrome, *1980:* Feb., 60
nutritional problems, *1981:* June, 727
Blood, arterial-venous oxygen difference, equation for, *1980:* Dec., 1443
pressure, increased, in obesity, *1979:* Dec., 971
central venous (CVP), measurement of, in respiratory failure, *1980:* Dec., 1417–1418
Blood bank, "walking", in small hospital, *1979:* June, **471–482**
Blood gases, analysis of, and pulmonary function, *1980:* Dec., 1439–1441
Blood volume, measurement of, *1980:* Dec., 1417
BMR. See *Basal metabolic rate (BMR).*
Bochdalek hernia, *1980:* Aug., 737, 738
congenital, *1981:* Oct., 1024
Body composition, effect of stress on, *1981:* June, 732–734
measurement, *1981:* June, 731–732
normal, *1981:* June, 730–731
Body mass index, *1979:* Dec., 965
Body temperature, regulation, *1981:* June, 547–549
Body weight, as percentage of ideal body weight, equation, *1981:* June, 448
Body weight, excessive. See *Obesity.*

Body weight (*Continued*)
ideal, determination, *1981:* June, 446–448
in nutritional assessment, *1981:* June, 448–452
loss, significance of, formula, *1981:* June, 448
usual, per cent, equation, *1981:* June, 448
Boerema anterior gastropexy, *1981:* Oct., 1109
Bombesin, *1981:* Feb., 52
Bone grafts, autogenous, for digital aplasia, *1981:* Apr., 418
Bone marrow, suppression, drug-induced, *1980:* Feb., 76
Bone scanning, in lung cancer, *1980:* Aug., 744
Bowel. See also *Colon; Gastrointestinal tract; Intestines.*
bacterial overgrowth syndromes, *1980:* Feb., 60
gangrene of, *1979:* Oct., **869–876**
obstruction of, surgical treatment of, *1979:* Oct., 872–873
surgery of, use of stapler in, *1980:* April, 383–393
Bowel disease, inflammatory, in children, *1981:* Oct., **1125–1135**
Brachial plexus, traumatic injuries to, *1981:* April, **341–351**
repair of shoulder in, *1981:* April, 344
Brain, abscess, *1980:* Feb., 56
ischemic, carotid surgery for, *1979:* Aug., **539–553**
Brain stem auditory-evoked response testing, in diagnosis of acoustic neuroma, *1980:* June, 567–568
Breast, carcinoma of, early stage, *1980:* Oct., **1179–1186**
immunocompetence and, *1979:* April, 335
immunotherapy and, *1979:* April, 375
local excision and radiation therapy for, *1980:* Oct., **1179–1186**
nodal involvement in. See *Lymph nodes.*
Broca's index, *1979:* Dec., 965
Bronchiectasis, *1980:* Aug., 867–874
Bronchography, in bronchiectasis, *1980:* Aug., 871
with fluoroscopy, *1980:* Aug., 718
Bronchoscopy, diagnostic, *1980:* Aug., 749–750
fiberoptic, for airway burns, *1980:* Dec., 1536
in diagnosis of pulmonary lesions, *1980:* Aug., 829
for bronchiectasis, *1980:* Aug., 871
for lung cancer, *1980:* Aug., 800–801
in respiratory care, *1980:* Dec., **1497–1501**
indications, *1980:* Dec., 1497
Bronchus, tumor of, benign, *1980:* Aug., **825–834**
Brooks' fusion, for atlantoaxial instability, *1980:* Oct., 1040–1041
Broviac catheter, placement, *1981:* June, 623
Bruits, carotid, asymptomatic, management of, *1979:* Aug., **550–552**
Burn inhalation injury, in infants and children, *1981:* Oct., 1185
Burn patient, host defense and, *1980:* Feb., 108–110
infection in, *1980:* Feb., **185–196**
red shock syndrome in, *1980:* Feb., 166–170
care of, algorithm for, *1980:* Oct., 1019
fluid therapy, *1980:* Oct., 1021–1026
immunosuppression and, *1979:* April, 202, 205, 207
severe, acute duodenal ulceration and, *1980:* Oct., 1029–1032
Burn patient (*Continued*)
severe, early management, *1980:* Oct., **1021–1033**
inhalation injury and, *1980:* Oct., 1026–1029
Bypass. See under specific types.
Bypass grafts, extraanatomic, *1979:* Aug., **649–658**

CALCITONIN, as tumor marker, *1979:* April, 316
Calcium, extravasation injury and, *1979:* Oct., 943
infusion of, in diagnosis of insulinoma, *1979:* Feb., 122
Calculus, biliary. See *Common bile duct, stones.*
Cancer. See *Carcinoma.*
Cancer committee, in small hospital care, *1979:* June, 441
Candidiasis, pulmonary, *1980:* Aug., 918–919
Cantrell, pentalogy of, *1981:* Oct., 1039
Capillary leak, in severe systemic sepsis and acute respiratory distress syndrome, *1980:* Dec., 1420–1421
Capillary permeability edema, radiograph of, *1980:* Dec., 1515–1516
Capmul, dissolution of retained stones, *1981:* Aug., 945
Carbohydrate, in intravenous nutrition, *1981:* June, 514
in total parenteral nutrition, *1979:* Oct., 769
Carcinoembryonic antigen (CEA), *1981:* Feb., 204
as tumor marker, *1979:* April, 318
Carcinogenesis, diet and, *1981:* June, 691–692
Carcinoma. See also *Tumors,* or specific types or organs affected.
adjuvant therapy for, rationale for, *1981:* Dec., 1245–1247
anorexia in, *1981:* June, 698
bronchial, natural history after resection, *1981:* Dec., **1279–1287**
TNM staging of, *1981:* Dec., 1283
bronchogenic. See *Lung, carcinoma.*
cachexia, *1981:* June, 692, 694
care of, in small hospital, *1979:* June, **441–447**
chemotherapy. See *Chemotherapy.*
colorectal, carcinoembryonic antigen in, *1979:* Oct., **831–839**
genitourinary, adjuvant therapy for, *1981:* Dec., 1331–1346
gynecologic, immunocompetence and, *1979:* April, 331
hilar, angiographic evaluation of, *1980:* Aug., 752
immunocompetence and, *1979:* April, 323
immunologic testing, as guide to management of, *1979:* April, **323–347**
immunotherapy of, *1979:* April, 371–380
infection and, *1980:* Feb., 60, **145–159**
mediastinal, embryonal, *1980:* Aug., 771
primary, *1980:* Aug., 773
metabolism in, *1981:* June, 694–696
nutrition in, *1981:* June, **691–700**
nutritional support in, *1981:* June, 697–698
of adrenal medulla, *1979:* Feb., 98–99
of bile duct, *1981:* Aug., **981–986**
of bladder, invasive, cystectomy and urinary diversion for, *1981:* Dec., 1336
of breast. See *Breast.*
of cardia, esophagogastrectomy for, *1980:* April, **265–279**

Carcinoma (*Continued*)
of colon and rectum, combined immunotherapy and chemotherapy for, *1981:* Dec., 1306–1307
immunotherapy for, *1981:* Dec., 1306–1307
of esophagus and cardia, esophagogastrectomy for, *1980:* April, **265–279**
of gastrointestinal chromaffin cells, *1979:* Feb., 99
of head and neck. See *Head, and neck.*
of islet cells, *1979:* Feb., 96–98, 103, 120, 133
of Kulchitsky's cells, *1979:* Feb., 100
of large bowel, adjuvant therapy, *1981:* Dec., **1311–1320**
BCG for, *1981:* Dec., 1298
chemo-immunotherapy for, *1981:* Dec., 1319
5-fluorodeoxyuridine for, *1981:* Dec., 1315
5-fluorouracil for, *1981:* Dec., 1297–1299, 1315–1318, 1321–1329
after palliative resection, *1981:* Dec., 1326
principles of operation for, *1981:* Dec., 1296
recurrence and death rates after curative resection, *1981:* Dec., 1323–1326
Thiotepa for, *1981:* Dec., 1297, 1315
unfavorable prognostic signs, *1981:* Dec., 1317
of liver, *1981:* Feb., **169–180**
of lung. See *Lung.*
of pancreas. See *Pancreas.*
of prostate, treatment with iodine-125 seeds, *1980:* Oct., **1215–1223**
of rectum. See *Rectum.*
of thyroid gland, aspiration biopsy cytology diagnosis of, *1979:* Feb., 9–11
treatment of, *1979:* Feb., 17
radiation therapy for. See *Radiation therapy.*
testicular, nonseminomatous, chemotherapy for, *1981:* Dec., 1333–1334
radiotherapy for, *1981:* Dec., 1333
surgery plus radiotherapy for, *1981:* Dec., 1334
therapy, deleterious nutritional effects, *1981:* June, 696–697
Cardia, carcinoma of, esophagogastrectomy for, *1980:* April, **265–279**
Cardiac. See also *Heart.*
Cardiac cachexia, *1981:* June, 635–641
Cardiac defects, complex congenital, valved conduit repair, *1980:* Oct., **1225–1237**
Cardiac failure, nutritional support in, *1981:* June, **635–652**
Cardiac output, in acute respiratory failure, *1980:* Dec., 1407–1408, 1418
measurement of, *1980:* Dec., 1443
Cardiac surgery, in neonates, *1981:* Oct., **1063–1078**
Cardiac tamponade, in infants and children, *1981:* Oct., 1194
treatment of, *1980:* Dec., 1545
Cardioesophageal junction, incompetence of, and gastroesophageal reflux, *1979:* Oct., 849
Cardiopulmonary bypass, in infants, *1981:* Oct., 1064–1066
Cardiovascular and gastrointestinal operations, concomitant, *1979:* Oct., 899–901
Cardiovascular physiology, in pediatric anesthesia, *1981:* Oct., 1004
Cardiovascular surgical patient, acute renal failure in, *1980:* Oct., 1158–1161
Carotid artery, Echoflow analysis of, *1980:* June, 516–520
noninvasive evaluation of, *1980:* June, **513–526**
oculoplethysmography in evaluation of, *1980:* June, 515–517
Carotid endarterectomy, *1980:* **503–512**
Carotid phonoangiography, *1980:* June, 514–515
Carpal tunnel, anatomy of, *1981:* Apr., 269–270
injuries within, *1981:* Apr., 283
Catecholamines, and vasoconstriction, *1979:* Aug., 723
Catheter, central venous, *1981:* June, 589
cuffed, venous cutdown insertion, *1981:* June, 587–588
Fogarty, in repair of popliteal artery, *1979:* June, 510
for nasogastric feeding, *1981:* June, 610
Hickman, placement of, *1981:* June, 623
in biliary tract surgery, *1980:* April, **297–312**
peripheral venous, *1981:* June, 586–587
placement of, in total parenteral nutrition, *1979:* June, 426–428
subclavian, *1981:* June, 584–586
discontinuance of, in TPN, *1979:* June, 435–436
Swan-Ganz, assessment of positive end-expiratory pressure with, *1980:* Dec., 1407
Catheterization, arterial, techniques, *1980:* Dec., 1441–1442
infection and, *1980:* Feb., 122–125
intratracheal, in atelectasis, *1980:* Dec., 1396–1397
urinary tract, infection and, *1980:* Feb., **223–231**
Cavernous hemangioma, of liver, *1981:* Feb., 182–184
CEA. See *Carcinoembryonic antigen (CEA).*
Cecocystoplasty, augmentation, *1980:* June, **703–710**
Cefazolin, in gastroduodenal surgery, *1979:* Oct., 921, 923
Celiac compression syndrome, *1979:* Aug., 642
Celioscopy, *1980:* April, **407–424**
Cell sorting, *1979:* April, 243
Cell surface markers, *1979:* April, 238–245. See also *T-cell* and *B-cell.*
lymphocyte function and, *1979:* April, 245
methods of detection, *1979:* April, 241–243
Cell-mediated immunity, in malnutrition, *1981:* June, 558–563
Central nervous system. See *Nervous system, central.*
Central venous pressure. See *Blood, pressure.*
Cephaloridine, in gastroduodenal surgery, *1979:* Oct., 921
Cephalosporin, penicillin cross-reactivity, *1980:* Feb., 66
Cephalothin, in gastroduodenal surgery, *1979:* Oct., 922
Cerebral palsy, deformed thumb in, treatment, *1981:* April, 402
hemiplegic spastic hand in, surgery for, *1981:* April, **395–406**
Cerebrovascular disease, microsurgical vascular bypass for, *1980:* June, **555–563**
Cerulein, *1981:* Feb., 52
Cervical spine, injuries, *1980:* Oct., 1040–1043
Chemodectoma, mediastinal, *1980:* Aug., 766
Chemotaxis, phagocytosis and, *1979:* April, 246

Chemotaxis (*Continued*)
polymorphonuclear leukocyte function and, *1979:* April, 202
Chemotherapy, combination, for rectal carcinoma, *1981:* Dec., 1318–1319
for lung cancer, *1980:* Aug., 809
for neuroblastoma, *1981:* Oct., 1233, 1235
for Wilms' tumor, *1981:* Oct., 1225
Chenodeoxycholic acid, for gallstones, *1979:* Oct., **797–809**; *1981:* Aug., 866–870
Chest, computed tomography of, *1980:* Aug., 721
disease of, fungal, surgical management of, *1980:* Aug., **897–912**
radiologic diagnosis of, *1980:* Aug., **715–742**
drainage of, after pulmonary resection, *1980:* Dec., 1491–1494
radiography of, *1980:* Dec., **1503–1518**
surgery of, effect on pulmonary pathophysiology, *1980:* Dec., 1334
trauma to, *1980:* Aug., **957–981**; Dec., **1541–1549**
in children, *1981:* Oct., **1181–1197**
Chest wall, deformities, in children, *1981:* Oct., **1199–1207**
injuries to, in infants and children, *1981:* Oct., 1183
prosthesis for, *1980:* Aug., 789
tumors of, *1980:* Aug., **779–791**
Children. See also *Infants.*
appendicitis in, *1981:* Oct., **1117–1124**
chest wall deformities in, *1981:* Oct., **1199–1207**
chloramphenicol toxicity in, *1980:* Feb., 67
gastroesophageal reflux in, *1981:* Oct., **1101–1115**
hepatic trauma in, *1981:* Oct., **1165–1180**
immunodeficiency and immunosuppression in, surgical problems associated with, *1979:* April, **213–221**
inflammatory bowel disease in, *1981:* Oct., **1125–1135**
inguinal hernia and hydrocele in, *1981:* Oct., **1137–1145**
liver tumors in, *1981:* Oct., **1209–1217**
obesity in, *1979:* Dec., **995–1006**
parenteral nutrition in, *1981:* Oct., **1089–1100**
respiratory support in, *1980:* Dec., **1519–1532**
splenic trauma in, *1981:* Oct., **1165–1180**
surgical problems in, associated with immunodeficiency and immunosuppression, *1979:* April, **213–221**
thoracic trauma in, *1981:* Oct., **1181–1197**
urinary diversion and undiversion in, *1981:* Oct., **1147–1164**
Chlorambucil, oral, for nonseminomatous testicular cancer, *1981:* Dec., 1334
Chloramphenicol toxicity, in infants and children, *1980:* Feb., 67
Cholangiography. See also *Intravenous cholangiography* and *Percutaneous transhepatic cholangiography.*
in acute cholecystitis, *1981:* Aug., 878
of common bile duct, intraoperative, *1981:* Aug., 940–941
postoperative, *1981:* Aug., 941
operative, *1981:* Aug., 780–781
for choledocholithiasis, *1981:* Aug., 900–901
postoperative, *1981:* Aug., 781
Cholangiography (*Continued*)
transhepatic percutaneous, *1981:* Feb., 25–28, 101
Cholangiojejunostomy, intrahepatic, *1980:* Oct., 1308–1311
Cholangiopancreatography, endoscopic retrograde, *1979:* Oct., 790–792
Cholangitis, acute suppurative, *1981:* Aug., 885–892
primary sclerosing, *1981:* Aug., 951–962
differentiation from cholangiocarcinoma, *1981:* Aug., 956–957
sclerosing, radiography of, *1981:* Aug., 846
Cholecystectomy, biliary stricture from, *1980:* April, 313–315
for chronic cholecystitis, *1981:* Aug., 882
in acute cholecystitis, *1981:* Aug., 880–881
Cholecystitis, acute, *1981:* Aug., 875–881
^{99m}Tc cholescintigraphy in, *1981:* Aug., 831
chronic, *1981:* Aug., 881–882
Cholecystography, oral, in pancreatitis, *1981:* Aug., 929
Cholecystokinin-pancreozymin, *1981:* Feb., 51
Choledochoduodenostomy, *1981:* Aug., 915–917, 919–920
Choledochojejunostomy, *1980:* April, 343
Roux-en-Y, *1981:* Aug., 920, 968–970
Choledocholithiasis. See *Common bile duct, stone.*
Choledochoplasty, for biliary stricture, *1980:* April, 323–324
Choledochoscopy, in choledocholithiasis, *1981:* Aug., 904–905
intraoperative, in common bile duct exploration, *1981:* Aug., 942–943
Choledochotomy, in choledocholithiasis, *1981:* Aug., 903
Cholelithiasis. See *Gallstones.*
pancreatitis and, *1981:* Feb., 57
Cholescintigraphy, in acute cholecystitis, *1981:* Aug., 878, 889
Cholestatic jaundice, TPN-related, *1980:* Oct., 1247–1248
Cholesterol, serum, in morbidly obese, *1979:* Dec., 970
supersaturation of bile and lithogenesis, *1981:* Aug., 765–766, 876, 893–894
Cholesterol gallstones, pathogenesis, *1981:* Aug., **765–774**
Cholestyramine, in treatment of postoperative bile gastritis, *1979:* Oct., 785
Cholylglycine, *1981:* Feb., 204
Chondroma, of chest wall, *1980:* Aug., 781–782
Chondrosarcoma, of chest wall, *1980:* Aug., 784–786
Choriocarcinoma, mediastinal, *1980:* Aug., 771
Stage B, chemotherapy for, *1981:* Dec., 1334
Chromaffin cells, gastrointestinal, carcinoma of, *1979:* Feb., 99
Chromaffin tissue tumors. See *Pheochromocytoma.*
Chylothorax, with thoracic duct injury in children, *1981:* Oct., 1188
Chymodenin, *1981:* Feb., 52
Cimetidine, for gastroduodenal disease, *1980:* Oct., 1031
in management of peptic ulcer, *1979:* Oct., **863–867**
Circulation, fetal, persistent, diaphragmatic hernia and, *1981:* Oct., 1026

Cirrhosis, carcinoma and, *1981:* Feb., 172
of liver, cholangiography of, *1981:* Aug., 846
Cis-platinum, for nonseminomatous testicular cancer, *1981:* Dec., 1333–1334
Claudication, profundaplasty for, *1979:* Aug., 689–690
Clavicle, fracture of, *1980:* Aug., 962
Clinical care, innovations in, *1979:* June, 389–394
Clostridium difficile infection, *1980:* Feb., 58–60, 63
Clotting factors, *1981:* Feb., 202
Coarctation, aortic, *1981:* Oct., 1070
Coccidioidosis, *1980:* Aug., 902–904, 919
Coin lesion, of lung, *1980:* Aug., 798
Colitis, pseudomembranous, *1980:* Feb., 58–60, 63, 71
Colitis, ulcerative. See *Ulcerative colitis.*
Collagen, antigenicity of, *1981:* Apr., 356
autoimmunity to, in arthritis, *1981:* Apr., 360–365
degradation of, in arthritis, *1981:* Apr., 357–358
Colloid, in burn therapy, *1980:* Oct., 1025
Colloid oncotic pressure, in acute respiratory distress syndrome, *1980:* Dec., 1418
Colon. See also *Large bowel.*
arteriovenous malformation of, angiography in, *1979:* Oct., 821–829
cancer of, immunocompetence and, *1979:* April, 340
hemorrhage from, massive, *1980:* Oct., **1297–1304**
interposition of, after esophagogastrectomy, *1980:* April, 276–278
ischemia of, *1979:* Oct., 891–893
rectum and, cancer of, carcinoembryonic antigen in, *1979:* Oct., **831–839**
resectable adenocarcinoma of, 5-fluorouracil for, *1981:* Dec., 1316–1317
sigmoidoscopy of, *1980:* April, **465–479**
surgery of, prophylactic antibiotics in, *1979:* Oct., 924–929
Colon conduit for urinary diversion, in children, *1981:* Oct., 1150
Colon loop, sigmoid, *1980:* June, 700
transverse, *1980:* June, 698, 699
Colonoscopy, indications for, *1979:* Oct., 792–794
Colorado, Montrose, clinical care in, *1979:* June, **385–531**
Common bile duct, benign stricture of, *1981:* Aug., **963–972**
cancer of, *1981:* Feb., **99–106**; Aug., **981–986**
diversion of, ERCP after, *1981:* Aug., 853–854
stones, *1981:* Aug., **893–907**
cholangiography of, *1981:* Aug., 847
primary versus secondary, *1981:* Aug., 895–896
retained, *1981:* Aug., **939–950**
role in pancreatitis, *1981:* Aug., 925
surgical exploration of, *1981:* Aug., 899–900, 903–904
intraoperative choledochoscopy, *1981:* Aug., 942–943
Compartment syndromes, *1980:* Oct., 1126
Component therapy, using small hospital blood bank, *1979:* June, 481–482
Con-A, definition of, *1979:* April, 254
Conduit, porcine valved, for congenital cardiac defects, *1980:* Oct., **1225–1237**
Congenital heart disease, surgery for, *1981:* Oct., **1063–1078**
Congestive heart failure, in neonates, *1981:* Oct., 1068
nutritional requirements, *1981:* June, 641–644
Continent ileostomy, *1979:* Oct., **853–862**
Contingency contracting, in treatment of obesity, *1979:* Dec., 1010
Continuous positive airway pressure (CPAP), in atelectasis, *1980:* Dec., 1398–1399
in pneumonia, *1980:* Dec., 1398–1399
indications for, *1980:* Dec., 1432–1433
Copper deficiency, with parenteral nutrition in children, *1981:* Oct., 1096
Coronary artery, left, anomalous origine of, *1981:* Oct., 1066
Coronary vein thrombosis, transhepatic, for bleeding esophageal varices, *1980:* April, 282–283
Corticosteroids, in treatment of myasthenia gravis, *1980:* Aug., 936
Corynebacterium parvum, for malignant melanoma, *1981:* Dec., 1250, 1259, 1261–1264
with chemotherapy, *1981:* Dec., 1253
immunotherapeutic functions of, *1979:* April, 201, 355, 357–358, 372
C-peptide assays, in diagnosis of insulinoma, *1979:* Feb., 121
Craniofacial resection of head and neck tumors, *1980:* June, **609–628**
Creatinine excretion, urinary, as estimation of somatic protein mass, *1981:* June, 454–455
Creatinine-height index, as estimation of somatic protein mass, *1981:* June, 454–455
Cricopharyngeal myotomy, *1980:* Oct., 1088
Cricothyroidotomy, technique, *1980:* Dec., 1459–1461
Crohn's disease, in children, *1981:* Oct., 1131–1134
TPN in, *1981:* June, 702–703
Cross-finger flap, *1981:* Apr., 254–256
Cryptococcosis, pulmonary, *1980:* Aug., 906–908, 913–915
immune-compromised patient and, *1980:* Aug., 914
CT, for gallbladder disease, *1981:* Aug., 794–795
in biliary tract disease, versus ultrasound, *1981:* Aug., 787–788
in evaluation of intrathoracic abnormalities, *1980:* Aug., 828
in pancreatic disease, *1981:* Feb., 32–37, 101
of biliary tract, *1981:* Aug., 789
of biliary tree, *1981:* Aug., 801, 806
of chest, *1980:* Aug., 721
of liver, *1981:* Aug., 808, 812
of pancreatic disease, *1981:* Aug., 814
in evaluation of mediastinal mass, *1980:* Aug., 763–764
Curling's ulceration, *1980:* Oct., 1029–1031
Cushing's disease, adrenalectomy and autotransplantation in, *1979:* Feb., **159–165**
CVP. See *Blood, pressure, central venous.*
Cyanosis, neonatal, *1980:* Dec., 1523

Cyclophosphamide, as immunosuppressant, *1979:* April, 292
for nonseminomatous testicular cancer, *1981:* Dec., 1334
Cystectomy, urinary diversion and, for invasive bladder cancer, *1981:* Dec., 1336
Cysts, Baker's, diagnosis of, arthrography in, *1979:* June, 486
bronchogenic, mediastinal, *1980:* Aug., 774
congenital, mediastinal, *1980:* Aug., 773
duplication, mediastinal, *1980:* Aug., 775
enteric, *1980:* Aug., 775
pericardial, *1980:* Aug., 774
popliteal, diagnosis, arthrography in, *1979:* June, 486, 490
thoracic duct, *1980:* Aug., 775
thymic, *1980:* Aug., 775
Cystogram, for diagnosis of genitourinary trauma, *1979:* June, 396
Cystostomy, suprapubic intubated, *1980:* June, 692–693
Cytomegalovirus, pulmonary infection with, *1980:* Aug., 924
Cytotoxicity, antibody-dependent cell-mediated, (ADCC), definition of, *1979:* April, 254
assays of, *1979:* April, 262
Cytoxan. See *Cyclophosphamide.*

DEAD space, pulmonary monitoring of, *1980:* Dec., 1438
ratio of to tidal volume, equation for, *1980:* Dec., 1438
Deglutition, normal, *1980:* Oct., 1080
Depression, in pancreatic cancer, *1981:* Feb., 100
Dermatitis, drug-induced, *1980:* Feb., 67–69
fat deficiency and, *1980:* Feb., 41–43
Dextran 40, in prevention of pulmonary embolism, *1980:* Dec., 1344
Dextran 70, in prevention of pulmonary embolism, *1980:* Dec., 1344
Diabetes mellitus, obesity and, *1979:* Dec., 972–973
pancreatic transplantation in, *1981:* Feb., **85–98**
Diaphragm, hernia of, congenital, *1981:* Oct., **1023–1035**
injury to, in children, *1981:* Oct., 1191
pacing of, in quadriplegic with respiratory paralysis, *1980:* Oct., **1055–1078**
radiographic imaging of, *1980:* Aug., 737, 739; Dec., 1508–1509
traumatic rupture of, *1980:* Aug., 972; Dec., 1546
Diaphragmatic hernia, traumatic, in children, *1981:* Oct., 1192
Diarrhea, antibiotic-associated, *1980:* Feb., 70
Diarrheogenic syndromes, of APUD system, *1979:* Feb., 143–153
Diathermy sphincterotome, in endoscopic sphincterotomy, *1981:* Aug., 857–858
Diet, carcinogenesis and, *1981:* June, 691–692
for obesity, in children, *1979:* Dec., 1001–1002
prognostic factors in, *1979:* Dec., 978–979
effects of, *1979:* Dec., **1043–1054**
in gastrointestinal disease, *1979:* Oct., 773–779
Diet (*Continued*)
ketogenic, *1979:* Dec., 975, 989
liquid protein, dangers of, *1979:* Dec., 988
very low calorie, *1979:* Dec., 987–988
DeGeorge syndrome, immunosuppressive characteristics of, *1979:* April, 218, 306
Digit. See also *Finger* or *Toe.*
amputated, replantation of, *1980:* Oct., 1105–1115
Dilatation, pyloroduodenal, *1980:* April, 256–257
Diuretics, for hypovolemia, *1980:* Dec., 1421
Documentation, in trauma care, *1980:* Oct., 1017–1020
Doppler test, before lumbar sympathectomy, *1979:* Aug., 726–727
in evaluation of femoro-popliteal-tibial occlusive disease, *1979:* Aug., 582–583
technique of, *1979:* June, 502
Doxorubicin hydrochloride. See *Adriamycin.*
Drainage, closed-suction, surgical infection and, *1980:* Feb., 37
of chest, after pulmonary resection, *1980:* Dec., 1491–1492
suction, *1980:* Dec., 1492–1494
Drugs. See also specific names.
anesthetic, interactions of, *1979:* Oct., 913–916
antibacterial, reactions to, *1980:* Feb., **56–80**
anticholinergic, interactions with anesthetic drugs, *1979:* Oct., 916
antithyroid, for Graves' disease, *1979:* Feb., 36
anti-tumor, as cause of extravasation injury, *1979:* Oct., 943–946
cutaneous, reactions, *1980:* Feb., 67–68
cutaneous, reactions, *1980:* Feb., 67–68
hyperosmolar, and extravasation injury, *1979:* Oct., 940–942
vasopressor, extravasation injury and, *1979:* Oct., 943
Drug addict, femoral aneurysms in, *1979:* Aug., 701–702
Drug fever, *1980:* Feb., 66
with BCG, *1981:* Dec., 1254
DTIC, for malignant melanoma, *1981:* Dec., 1252–1253, 1264
with Estracyt, *1981:* Dec., 1253
Duodenojejunostomy, *1980:* April, 344
Duodenum, descending, cancer of, *1981:* Feb., **99–106**
ulcer of, cimetidine for, *1979:* Oct., 863–864
complicating cardiovascular operation, *1979:* Oct., 898–899
parietal cell vagotomy for, *1980:* April, **247–263**
Dysmenorrhea, as indication for vaginal hysterectomy, *1980:* April, 448–449
Dyspepsia, chenodeoxycholic acid for, *1979:* Oct., 806
Dysphagia, operative palliation of, *1980:* April, **265–279**
Dysphonia, spastic, *1980:* June, 645–646
Dysplasia, bronchial epithelial, APUD cell system and, *1979:* Feb., 101
fibrous, of chest wall, *1980:* Aug., 782, 783

EAR, advanced tumors of, radical neck dissection for, *1980:* June, 621–624

Eating, control of, dieting and intestinal bypass in, *1979:* Dec., **1043–1054**
Echoflow arterial imaging system, in evaluation of carotid artery, *1980:* June, 516–520
Echography. See *Ultrasonography.*
ECMO. See *Extracorporeal membrane oxygenation (ECMO).*
Edema, capillary permeability, radiograph of, *1980:* Dec., 1515–1516
pulmonary. See *Pulmonary edema.*
Edrophonium chloride, in test for myasthenia gravis, *1980:* Aug., 933–934
Elbow, restoration of function in, after brachial plexus injury, *1981:* Apr., 343
Electrolytes, in total parenteral nutrition, *1979:* Oct., 769–770
disorders during, *1980:* Oct., 1242–1243
Electromyography, *1981:* Apr., 314
Eloesser procedure, modified, *1980:* Aug., 847
Embolism, arterial, acute, vs. thrombosis, in diagnosis of acute arterial occlusion, *1979:* Aug., 749–750
management of, *1979:* Aug., **749–753**
as complication of lumbar sympathectomy, *1979:* Aug., 729
as indication for endarterectomy, *1979:* Aug., 673–674
intestinal, vs. thrombosis, *1979:* Aug., 638
pulmonary, prevention of, *1980:* Dec., 1344–1345
Emergency department, trauma care in, *1980:* Oct., **1009–1020**
Emphysema, bullous, *1980:* Aug., 857–865
angiography of, *1980:* Aug., 753
physiology of lungs in, *1980:* Dec., 1333
subcutaneous, after thoracic trauma, *1980:* Aug., 961–962
Empyema, thoracic, *1980:* Aug., 842–848
postresection, *1980:* Aug., 893
radiographic imaging of, *1980:* Aug., 739
treatment, *1980:* Dec., 1469–1470
Encephalopathy, drug-induced, *1980:* Feb., 68
Endarterectomy, aorto-iliac, *1979:* Aug., 572–574
carotid, *1979:* Aug., 544–550; *1980:* June, **503–512**
for visceral ischemia, *1979:* Aug., 641–644
End-expiratory pressure, in respiratory distress, *1980:* Aug., 994–995, 996
Endocrine glands. See also specific glands.
surgery of, symposium on, *1979:* Feb., **3–177**
Endoscope, flexible fiberoptic, for sigmoidoscopy, *1980:* April, 465–470
in laparoscopy, *1980:* April, 409–411, 418
Endoscopic papillotomy, *1981:* Aug., 947–948
Endoscopic retrograde cannulation of the pancreas, *1981:* Aug., 930–931
Endoscopic retrograde cholangiopancreatography. See *ERCP.*
Endoscopic sphincterotomy, *1981:* Aug., 854–863
Endoscopy, extraction of common bile duct stones, *1981:* Aug., 946–947
fiberoptic, gastrointestinal, *1979:* Oct., **787–795**
Endotoxemia, prevention of, *1980:* Dec., 1347
Endotracheal intubation, acute complications of, *1980:* Dec., 1461–1462
difficulty, after general anesthesia, *1980:* Dec., 1456
in atelectasis, *1980:* Dec., 1397–1398
Endotracheal intubation (*Continued*)
in pediatric anesthesia, *1981:* Oct., 1001
in respiratory distress, *1980:* Aug., 994
indications for, *1980:* Dec., 1447
laryngeal complications, *1980:* Dec., 1473
techniques, *1980:* Dec., 1450–1456
tracheal complications, *1980:* Dec., 1473
vs. tracheostomy, *1980:* Dec., 1559
with tracheostomy, *1980:* Dec., 1361–1362
Endotracheal suctioning, for aspiration pneumonia, *1980:* Dec., 1559
for atelectasis and pneumonia, *1980:* Dec., 1396–1397
Energy balance, regulation of, adipose tissue and, *1979:* Dec., 979–982
in morbid obesity, *1979:* Dec., **1017–1031**
Energy requirements, formula for, *1981:* June, 576
in congestive heart failure, *1981:* June, 641–642
Energy stores, *1981:* June, 509–511
Enflurane, as anesthetic in gastrointestinal surgery, *1979:* Oct., 907
Enteral hyperalimentation, in renal failure, *1981:* June, 668–669
Enteral nutrition, *1981:* June, **605–620**
in congestive heart failure, *1981:* June, 644–648
in pancreatitis, *1981:* June, 704
liquid diets for, *1981:* June, 608–610
monitoring of patients, *1981:* June, 615–616
Enterocolitis, necrotizing, in neonates, *1981:* Oct., **1013–1022**
Enteroenterostomy, with hepaticojejunostomy, for biliary stricture, *1980:* April, 324–325
Enterotomy, closure of, with stapler, *1980:* April, 384–385
Environmental factors, in obesity, *1979:* Dec., 998–999
Enzymes, pancreatic, *1981:* Feb., 49
serum, in assessment of liver function, *1981:* Feb., 200–202
Epidermal necrolysis, toxic, *1980:* Feb., 68
Epidermis, lesions of, in pancreatic glucagonoma, *1979:* Feb., 139–140
ERCP, *1981:* Feb., 23–25, 101; Aug., 843–854
after common duct diversion, *1981:* Aug., 853–854
in acute sclerosing cholangitis, *1981:* Aug., 955
in choledocholithiasis, *1981:* Aug., 898–899
indications, *1979:* Oct., 790–792
Erythema multiforme, *1980:* Feb., 67
Erythromycin estolate, hepatotoxicity of, *1980:* Feb., 73
Esophageal transection, for bleeding varices, *1980:* April, 291
Esophageal varices, nonshunting procedures for hemorrhage of, *1980:* April, **281–295**
Esophagitis reflux. See also *Gastroesophageal reflux.*
Esophagogastroduodenoscopy, in gastrointestinal disease, *1979:* Oct., 787–790
Esophagogastrostomy, for carcinoma of esophagus and cardia, *1980:* April, **265–279**
Esophagography, with fluoroscopy, *1980:* Aug., 717–718
Esophagus atresia of, *1981:* Oct., **1051–1061**
Esophagus, carcinoma of, esophagogastrectomy for, *1980:* April, **265–279**
perforation of, *1980:* Aug., 974; *1980:* Dec., 1546–1547

Esophagus (*Continued*)
strictures of, in infants and children, *1981:* Oct., 1110
reflux, *1979:* Oct., 849
trauma to, in children, *1981:* Oct., 1190
varices, bleeding, *1981:* Feb., **209–219**
Estracyt, for malignant melanoma, with DTIC, *1981:* Dec., 1253
Exfoliative dermatitis, drug-induced, *1980:* Feb., 67
Extracorporeal membrane oxygenation (ECMO), in acute respiratory failure, *1980:* Dec., 1408
Extravasation injury, management and prevention, *1979:* Oct., **939–949**
Extremities. See *Leg.*
Exudation, inflammatory response and, *1980:* Feb., 100–101

FACIAL nerve, paralysis of, iatrogenic, *1980:* June, **629–635**
preservation of, in removal of acoustic neuroma, *1980:* June, **565–591**
Fallot, tetralogy, correction of, *1981:* Oct., 1066
Falope-ring, in tubal ligation, *1979:* June, **454–455**
Fanconi syndrome, *1980:* Feb., 74
Fat(s), deficiency, with intravenous hyperalimentation, *1980:* Feb., 41–43
in total parenteral nutrition, *1979:* Oct., 769
Fat cells, morphology, in morbid obesity, *1979:* Dec., **977–983**
Fat embolism syndrome, respiratory system dysfunction in, *1980:* Dec., 1385
Fat emulsion, in intravenous nutrition, *1981:* June, 515
Fat requirements, in congestive heart failure, *1981:* June, 643
Fatty acid deficiency, with parenteral nutrition in children, *1981:* Oct., 1097
Feet, ischemic, lumbar sympathectomy for, *1979:* Aug., **719–735**
Femoral-femoral bypass graft, *1980:* June, **537–544**
Femoral-popliteal and femoral-tibial artery bypasses, *1980:* June, **527–535**
Fetus, surgery of, *1981:* Oct., 1033
Fiberoptic endoscopy, gastrointestinal, *1979:* Oct., **787–795**
Fibroma, mediastinal, *1980:* Aug., 771
Fibrosarcoma, mediastinal, *1980:* Aug., 771
Fibrosis, pulmonary, characterization of, *1980:* Dec., 1379
Filter effect, *1980:* Dec., 1547–1548
Finger. See also *Phalanx(ges).*
congenital aplasia of, reconstruction, *1981:* Apr., **407–424**
replantation of, *1981:* Apr., **383–394**
Fingernail, anatomy, *1981:* Apr., 239
wounds of, *1981:* Apr., 247
Fingertip, amputation of, *1981:* Apr., 249–254
injuries of, *1981:* Apr., **237–266**
skin of, *1981:* Apr., 238
Fistula, aorto-caval, surgery for, *1979:* Aug., 633
aorto-duodenal, surgery for, *1979:* Aug., 634
aortoenteric, following vascular surgery, *1979:* Oct., 894–897

Fistula (*Continued*)
bronchopleural, following pulmonary resection, *1980:* Aug., 892–893
treatment, *1980:* Dec., 1468–1469
gastrointestinal. See *Gastrointestinal fistula.*
in continent ileostomy, *1979:* Oct., 860
of tracheal innominate artery, *1980:* Dec., 1478–1479
tracheoesophageal, acquired, *1980:* Dec., 1476–1478
Flag flap, for finger, *1981:* Apr., 254
Flail chest, *1980:* Aug., 962–964
treatment of, *1980:* Dec., 1544
Flap. See also specific type.
for forearm coverage, *1981:* Apr., 294
free, in hand reconstruction, *1980:* Oct., 1115–1117
musculocutaneous, in head and neck reconstruction, *1980:* Oct., **1187–1199**
Flexor tendon, of hand, injuries of, *1981:* Apr., **267–286**
repair techniques, *1981:* Apr., 276–279
Fluids and electrolytes, intraoperative, in children, *1981:* Oct., 1002
Fluids, administration, for burns, *1980:* Oct., 1021–1026
for maintenance of pulmonary perfusion, *1980:* Dec., 1369–1370
for shock, *1980:* Dec., 1419–1421
management of, in acute respiratory failure, *1980:* Dec., 1410–1411
overload, and pulmonary pathophysiology, *1980:* Dec., 1331–1332
prevention of, *1980:* Dec., 1345–1346
5-Fluorodeoxyuridine, for large bowel cancer, *1981:* Dec., 1315
Fluoroscopy, of chest, *1980:* Aug., 717–719
5-Fluorouracil. See *5-FU.*
Fogarty catheter, for removal of arterial emboli, *1979:* Aug., **749–753**
in repair of popliteal artery, *1979:* June, 510
Folacin, *1981:* June, 504–505
Folic acid, *1981:* June, 504–505
Food intake, control of, dieting and intestinal bypass in, *1979:* Dec., **1043–1054**
Foreign bodies, intrathoracic, *1980:* Aug., 968–969
Fractures, blood loss associated with, *1980:* Oct., 1124
diagnosis and management, in multiply injured patient, *1980:* Oct., **1121–1131**
of clavicle, *1980:* Aug., 962
of distal phalanx, *1981:* Apr., 257
of hand, *1980:* June, 676–680
of rib, *1980:* Aug., 962
of sternum, *1980:* Aug., 964
Frostberg sign, *1981:* Feb., 20
5-FU, for large bowel carcinoma, *1981:* Dec., 1297–1299, 1315–1317
effectiveness, *1981:* Dec., 1321–1329
prolonged intermittent therapy with, *1981:* Dec., 1317–1318
toxicity of, *1981:* Dec., 1323
methyl-CCNU and, for large bowel cancer, studies of effectiveness, *1981:* Dec., 1328
rectal carcinoma, *1981:* Dec., 1318–1319
plus MER, for large bowel cancer, *1981:* Dec., 1319

Fulminant hepatic failure, *1980:* [illegible], 225
Functional residual capacity, alt[illegible] operation or trauma, *1980:* Dec., 1329–1330
in pulmonary pathophysiology, *1980:* Dec., 1324, 1326
Fungus, of chest, *1980:* Aug., **897–912**
Fungus ball, *1980:* Aug., 908–909

GALLBLADDER complications, in TPN, *1981:* June, 676
Gallbladder disease, ultrasound and CT for, *1981:* Aug., 794–795
Gallium scanning, in pulmonary disease, *1980:* Aug., 745
Gallstone, cholesterol, pathogenesis, *1981:* Aug., **765–774**
dissolution of, *1979:* Oct., **797–809**
endoscopic removal, *1981:* Aug., 857–858
medical treatment of, *1981:* Aug., 865–874
obesity and, *1979:* Dec., 969, **1095–1101**
percutaneous extraction, *1981:* Aug., 783
screening for, *1979:* Oct., 808
Gallstone pancreatitis, *1981:* Aug., **923–938**
Gamma glutamyl transpeptidase, serum, *1981:* Feb., 201
Ganglioneuroblastoma, *1981:* Oct., 1228
mediastinal, *1980:* Aug., 765
Ganglioneuroma, *1981:* Oct., 1228
mediastinal, *1980:* Aug., 765
Gangrene, gas, *1980:* Feb., 57
red shock syndrome with, *1980:* Feb., 166–170
Gastrectomy, nutritional problems after, *1981:* June, 726–727
Gastric. See also *Stomach.*
bypass, for morbid obesity, *1979:* Dec., **1103–1112**
failed, surgical approaches to, *1979:* Dec., **1121–1130**
postoperative management, *1979:* Dec., 1026–1027
preparation for, *1979:* Dec., 1019–1021
technical considerations, *1979:* Dec., 1024–1025
in control of food intake, *1979:* Dec., **1043–1054**
Gastrin, as tumor marker, *1979:* April, 314
Gastritis, bile, postoperative, *1979:* Oct., **781–786**
hemorrhagic, cimetidine for, *1979:* Oct., 865
Gastroduodenal ulceration, acute, severe burn injury and, *1980:* Oct., 1029–1031
Gastroesophageal reflux, after repair of esophageal atresia, *1981:* Oct., 1058
cimetidine for, *1979:* Oct., 865
complications of, *1979:* Oct., 843–844
in infants and children, *1981:* Oct., **1101–1115**
treatment of, surgical, *1979:* Oct., **841–851**
Gastrointestinal and cardiovascular operations, concomitant, *1979:* Oct., 899–901
Gastrointestinal disease, new methods of treatment, *1979:* Oct., **759–956**
nutritional support in, *1981:* June, **701–708**
Gastrointestinal fistula, after trauma, *1981:* June, 676
nutritional support in, *1981:* June, 706–707
Gastrointestinal tract, barium studies of, *1981:* Feb., 19–22
drug-reactions, *1980:* Feb., 71
endogenous microflora, *1980:* Feb., 197–198
hemorrhage, pancreatitis and, *1981:* Feb., 76
short bowel syndrome, *1980:* Oct., **1273–1284**
surgery, staplers in, *1980:* April, **381–397**
surgical infection of, *1980:* Feb., **197–212**
Gastropexy, Boerema anterior, *1981:* Oct., 1109
Gastroplasty, for morbid obesity, *1979:* Dec., **1113–1120**
Gastroschisis, *1981:* Oct., **1037–1049**
Gastrostomy, use of stapler in, *1980:* April, 393–394
Genital tract, female, surgical infections of, *1980:* Feb., 57, **233–240**
Genitourinary tract, cancer of, adjuvant therapy for, *1981:* Dec., 1331–1346
immunocompetence and, *1979:* April, 331
injury to, *1979:* June, **395–409**
Gentamicin sulfate, *1980:* Feb., 190
Glomerular filtration rate, *1981:* June, 663
Glomerulonephritis, drug-induced, *1980:* Feb., 74
Glucagon, *1981:* Feb., 52
Glucose-6-phosphate dehydrogenase deficiency, *1980:* Feb., 77
Goiter, colloid, aspiration biopsy cytology diagnosis of, *1979:* Feb., 8
intrathoracic, *1980:* Aug., 772
ultrasound diagnosis of, *1979:* Feb., 19–33
Gonadal venography, in localization of undescended testes, *1980:* Oct., **1253–1263**
Grafts. See also *Prostheses.*
aortofemoral, *1979:* Aug., 571–577
aorto-iliac, infected, extraanatomic bypass grafts for, *1979:* Aug., 651
autogenous, in femoro-popliteal-tibial reconstruction, *1979:* Aug., 583–593
bypass, extraanatomic, *1979:* Aug., **649–658**
for cerebrovascular ischemia, *1979:* Aug., 675, 677, 679
in repair of popliteal artery, *1979:* June, 515, 517
Dacron, failure of, in vascular procedures, *1979:* Aug., 664
in intestinal revascularization, *1979:* Aug., 642, 645–646
in repair of aortic aneurysm, *1979:* Aug., 602–632
inclusion technique for, *1979:* Aug., 630–631
saphenous vein, in intestinal revascularization, *1979:* Aug., 645
in profundaplasty, *1979:* Aug., 688
Gram-negative pneumonia, in surgical patient, *1980:* Feb., 179–181
Graves' disease, antithyroid drugs for, *1979:* Feb., 36
propranolol for, *1979:* Feb., 39–40
radioactive iodine therapy for, *1979:* Feb., 36–38
subtotal thyroidectomy for, *1979:* Feb., 40–41
surgical treatment, *1979:* Feb., 38–41
thyroidectomy for, *1979:* Feb., **35–44**
Great vessels, trauma to, *1980:* Aug., 978–980; Dec., 1547
Growth retardation, inflammatory bowel disease with, TPN in, *1981:* June, 703

Gynecologic cancer, immunocompetence and, *1979:* April, 331

HALOTHANE, as anesthetic in gastrointestinal surgery, *1979:* Oct., 907
Hand, acute injuries of, management, *1980:* June, **665–685**
flexor tendon of, injuries, *1981:* Apr., **267–286**
hemiplegic spastic, in cerebral palsy, surgery for, *1981:* Apr., **395–406**
implant arthroplasty in, *1981:* Apr., **369–382**
microsurgical reconstruction, *1980:* Oct., **1105–1119**
nerves of, coaptation, *1981:* Apr., 325–327, 330
repair, *1981:* Apr., **321–340**
primary versus secondary, *1981:* Apr., 322–324
nerve grafts in, *1981:* Apr., 331–332
neurolysis in, *1981:* Apr., 336
paratenon of, *1981:* Apr., 269
practical surgery of, symposium on, *1981:* Apr., **237–426**
tendons of, anatomic nomenclature, *1981:* Apr., 267–268
Hamartoma, pulmonary, *1980:* Aug., 826–827
malignant transformation of, *1980:* Aug., 829–830
Harrington instrumentation, in stabilization of spinal injuries, *1980:* Oct., 1043–1046
Harris-Benedict formula, *1981:* June, 552, 641
Hashimoto's disease, radiation exposure as a cause of, *1979:* Feb., 67, 68
Head, and neck, cancer of, immunocompetence and, *1979:* April, 337
reconstruction of, musculocutaneous flaps in, *1980:* Oct., **1157–1199**
Heart. See also *Cardiac.*
complex congenital defects of, valved conduit repair, *1980:* Oct., **1225–1237**
disease, obesity and, *1979:* Dec., 969
valvular, perioperative prophylactic antibiotics in, *1979:* Oct., 929–931
failure, cause of, *1980:* Dec., 1565–1566
congestive, in neonates, *1981:* Oct., **1068**
diagnosis of, *1980:* Dec., 1566–1567
during ventilatory therapy, management of, *1980:* Dec., 1368–1369
therapy for, *1980:* Dec., 1568
surgery, in neonates, *1981:* Oct., **1063–1078**
trauma to, *1980:* Aug., 976–977
Heinz body hemolytic anemias, *1981:* Feb., 118
Hemangioendothelioma, hepatic, in children, *1981:* Oct., 1216
Hemangioma, cavernous, of liver, *1981:* Feb., 182–184
hepatic, in children, *1981:* Oct., 1216
mediastinal, *1980:* Aug., 771
Hematologic disease, splenectomy for, *1981:* Feb., **117–125**
Hematologic reactions, to antibacterials, *1980:* Feb., 75–77
Hemobilia, *1981:* Aug., **973–979**
Hemoglobinopathy, splenectomy for, *1981:* Feb., 119
Hemolytic anemia, autoimmune, *1981:* Feb., 118
drug-induced, *1980:* Feb., 77
Heinz body, *1981:* Feb., 118
Hemoptysis, secondary to tuberculosis, *1980:* Aug., 890–892
Hemothorax, after trauma, *1980:* Aug., 966–968
Hemothorax, massive, treatment of, *1980:* Dec., 1544–1545
Hemorrhage, after arterial reconstruction, *1979:* Aug., 660
as complication of laparoscopy, *1980:* April, 423
from fracture sites, *1980:* Oct., 1124
gastrointestinal, with pancreatitis, *1981:* Feb., 76
in liver disorders, *1981:* Aug., **973–979**
inflammatory response and, *1980:* Feb., 101–102
massive, colonic, *1980:* Oct., **1297–1304**
emergency care, *1980:* Oct., 1013
of esophageal varices, nonshunting procedures for, *1980:* April, **281–295**
uterine, as indication for vaginal hysterectomy, *1980:* April, 448–449
variceal, shunts for, *1980:* Oct., **1265–1272**
Hemothorax, in infants and children, *1981:* Oct., 1188
Heparin, in profundaplasty, *1979:* Aug., 687
low dose, in prevention of pulmonary embolism, *1980:* Dec., 1344, 1345
preoperative, in repair of popliteal artery, *1979:* June, 517
Hepatectomy, *1980:* Apr., 349–367
Hepatic. See also *Liver.*
Hepatic encephalopathy, *1981:* June, 654–655
nutritional support, *1981:* June, 658–659
Hepatic-enteric anastomosis, in bile duct carcinoma, *1981:* Aug., 984
Hepaticojejunostomy, for biliary stricture, *1980:* April, 324–325
with intubation, *1980:* April, 303–309
Hepatitis, viral, neonatal, versus biliary atresia, *1981:* Aug., 988–991
Hepatitis B virus, carcinoma and, *1981:* Feb., 171
Hepatocellular, dysfunction, *1981:* Feb., 221
Hepatocytic adenomas, *1981:* Feb., 185
Hereditary spherocytosis, splenectomy for, *1981:* Feb., 117
Hernia, Bochdalek, *1980:* Aug., 737, 738
diaphragmatic, congenital, *1981:* Oct., **1023–1035**
traumatic, in children, *1981:* Oct., 1192
hiatal, *1980:* Aug., 737
inguinal, in infants and children, *1981:* Oct., 1137–1140
Morgagni, *1980:* Aug., 737
Herpes simplex virus, pulmonary infection in compromised patient, *1980:* Aug., 924
Hickman catheter, placement of, *1981:* June, 623
High risk patients, preoperative pulmonary assessment of, *1980:* Dec., **1349–1357**
pulmonary complications in, prevention of, *1980:* Dec., **1359–1370**
Histocompatibility, pre-transplant determination of, *1979:* April, 266
Histoplasmoma, *1980:* Aug., 901
Histoplasmosis, mediastinal, *1980:* Aug., 901–902
pericardial, *1980:* Aug., 902

Histoplasmosis (*Continued*)
pulmonary, *1980:* Aug., 899–901
in compromised patient, *1980:* Aug., 919
Hodgkin's disease, laparotomy for staging of, *1980:* April, **369–379**
splenectomy for staging of, *1980:* April, 371–373
staging of, *1980:* Apr., 370–371; *1981:* Feb., 121
Home parenteral nutrition, *1981:* June, **621–633**
Hormones. See also specific hormone.
effects on pancreatic secretion, *1981:* Feb., 50–52
in metabolic adjustments of sepsis, *1981:* June, 683–684
visualization techniques, *1979:* Feb., 102–105
Hospitals, small, advances in care in, symposium on, *1979:* June, **385–531**
Host defense. See also *Immune response.*
in cancer patient, *1980:* Feb., 148–151
in surgical infections, *1980:* Feb., **107–116**
mechanisms, *1979:* April, 188–189
chemotherapy in children and, *1979:* April, 217
surgical intensive care and, *1980:* Feb., 126–129
Human chorionic gonadotropin, as marker for cancer, *1981:* Dec., 1332
Hybridomas, *1979:* April, 241–242
Hydrocele, in infants and children, *1981:* Oct., 1140–1142
5-Hydroxyindoles, hyperproduction of, in carcinoid tumors of the APUD cell system, *1979:* Feb., 146
Hyperalimentation. See also *Enteral hyperalimentation; Intravenous hyperalimentation; Nutrition, total parenteral.*
complications of, *1979:* June, 421
in small hospital, *1979:* June, **411–440**
procedural handbook for, *1979:* June, 420–440
intravenous, fat-deficiency with, *1980:* Feb., 41–43
parenteral, in infants and children, *1981:* Oct., 1093–1094
standard solution for, *1979:* June, 412, 422
Hyperammonemia, during TPN, *1980:* Oct., 1246
Hypercholesterolemia, in morbidly obese, *1979:* Dec., 970
Hyperkalemia, treatment, *1980:* Oct., 1162–1163
Hypermenorrhea, as indication for vaginal hysterectomy, *1980:* April, 448–449
Hyperparathyroidism, primary, and irradiation of thyroid gland, *1979:* Feb., **65–75**
diagnosis and treatment, *1980:* Oct., **1285–1295**
recurrent or persistent, parathyroid transplant in, *1979:* Feb., 169
with concurrent thyroid disease, *1979:* Feb., 72–74
Hypersensitivity, delayed, skin testing, *1979:* April, 189–197. See also *Skin testing, delayed hypersensitivity.*
as predictor of sepsis, *1980:* Feb., 151–153
Hypersplenism, with malignant hemopathies, *1981:* Feb., 120
Hypertension, anesthesia in, *1979:* Oct., 911
during endarterectomy, treatment of, *1979:* Aug., 545
in morbidly obese, *1979:* Dec., 971
Hypertension (*Continued*)
pulmonary artery, congenital diaphragmatic hernia and, *1981:* Oct., 1031
renal, diagnosis of, intravenous pyelogram for, *1979:* Aug., 555
renin assays in, *1979:* Aug., 556
surgical procedures for, *1980:* June, **487–501**
Hyperthermia, malignant, in pediatric surgery, *1981:* Oct., 1007
Hypertriglyceridemia, in morbidly obese, *1979:* Dec., 970
Hypomagnesemia, with parenteral nutrition in children, *1981:* Oct., 1096
Hypoventilation, after general anesthesia, *1980:* Dec., 1449
Hypovolemia, correction of, after shock, *1980:* Dec., 1419–1421
Hypoxemia, neonatal, oxygen for, *1980:* Dec., 1524
of blood perfusing lung, *1980:* Dec., 1324–1325
Hysterectomy, vaginal, *1980:* April, **437–449**
Hysterometer, *1980:* April, 303

ICTERUS. See *Jaundice.*
Idiopathic thrombocytopenic purpura, *1981:* Feb., 119
Ileal conduit, in infants and children, *1981:* Oct., 1148
Ileal loop, for urinary diversion, *1980:* June, 694–696
Ileitis, as complication of continent ileostomy, *1979:* Oct., 860
Ileocecal bladder, *1980:* June, 698
Ileocecal conduit, in children, *1981:* Oct., 1152
Ileocecal loop, *1980:* June, 698, 699
Ileostomy, continent, *1979:* Oct., **853–862**
complications of, *1979:* Oct., 857
Immune hemolytic anemia, drug-induced, *1980:* Feb., 77
immunomodulators and, *1980:* Feb., 115
Immune response, after trauma, *1980:* Feb., 142
nutrition and, *1980:* Feb., 114–115; *1981:* June, **557–570**
testing of, in nutritional assessment, *1981:* June, 459–460
of cancer patient, *1980:* Feb., 148–151
plasma therapy and, *1980:* Feb., 110–114
Immune system, cell-mediated, *1979:* April, 199, 326
assays of, *1979:* April, 255–266
donor-specific, *1979:* April, 255
non-donor specific, *1979:* April, 255
effect of injury and operation on, *1979:* April, 206–209
splenectomy and, *1979:* April, 226–227
defenses, effect of burns, trauma, and surgery, *1979:* April, **199–209**
endocrine system and, *1979:* April, 237
humoral, *1979:* April, 199
B lymphocytes and, *1979:* April, 236
effect of injury and operation on, *1979:* April, 205
splenectomy and, *1979:* April, 226–227
monitoring of, allograft survival and, *1979:* April, 263

Immune system, (*Continued*)
monitoring of, as guide to cancer management, *1979:* April, **323–347.** See also *Carcinoma.*
immunodiagnosis and, *1979:* April, 313–322
in vitro, *1979:* April, 327
results of, *1979:* April, 266–268
staging of cancer and, *1979:* April, 332
standardization and quality control, *1979:* April, 260–263
surgical infection and, *1980:* Feb., **107–116**
survey, of high-risk cancer patient, *1980:* Feb., 154–157
Immunobiology, human cellular, recent advances in, *1979:* April, **235–252**
Immunocompetence, cancer and. See *Carcinoma* and specific types of cancer.
compartmentalization of cells and, *1979:* April, 264
Immunocompromised host, cryptococcosis in, *1980:* Aug., 914
cytomegalovirus infection in, *1980:* Aug., 924
mycobacterial tuberculous infection in, *1980:* Aug., 921–922
Immunodeficiency, immunosuppression and, in children, surgical problems associated with, *1979:* April, **213–221**
Immunodiagnosis of cancer, *1979:* April, **313–322.** See also *Immune system* and *Carcinoma.*
Immunogenicity, increase in, effect of tumor cell modification on, *1979:* April, 350–353
Immunoglobulin. See also *B-cell* and *T-cell.*
as indicator of maturational stage, *1979:* April, 243
effect on immunocompetence, *1979:* April, 205, 329
in malnutrition, *1981:* June, 563–564
surface, *1979:* April, 240
trauma and, *1979:* April, 205
Immunologic testing. See *Immune system, monitoring of.*
Immunomodulators, immune response and, *1980:* Feb., 115
Immunosuppression, clinical, complications of, in transplant recipients, *1979:* April, 294–297
effects of, *1979:* April, 284
in postsurgical pediatric patients, *1979:* April, 213–221
principles of, *1979:* April, **283–298.** See also individual immunosuppressant agents.
Immunotherapy, active, *1979:* April, 349–358
nonspecific, *1979:* April, 354–358, 372
bacterial adjuvants and, *1979:* April, 355
chemical adjuvants and, *1979:* April, 357
specific, *1979:* April, 350–354, 373–378. See also *Carcinoma.*
for colonic and rectal carcinoma, *1981:* Dec., 1306–1307
for lung cancer, *1980:* Aug., 809
for malignant melanoma, *1981:* Dec., 1249–1252
combined with chemotherapy, *1981:* Dec., 1253–1254
models in experimental animals, *1979:* April, **349–369**
of solid tumors, *1979:* April, **371–380**
passive, *1979:* April, 358–364
transfer of informational substances and, *1979:* April, 362
Immunotherapy (*Continued*)
cellular adoptive, *1979:* April, 358
specific, for malignant melanoma, *1981:* Dec., 1252
Imuran. See *Azathioprine.*
IMV. See *Intermittent mandatory ventilation (IMV).*
Incontinence, anal, surgical management of, *1980:* April, **457–463**
urinary stress, *1980:* April, **425–435**
Inderal. See *Propranolol.*
Indocyanine green, *1981:* Feb., 198
Infants. See also *Children.*
abdominal wall defects in, *1981:* Oct., **1037–1049**
appendicitis in, *1981:* Oct., 1122
biliary atresia in, *1981:* Oct., **1079–1088**
cardiac surgery in, *1981:* Oct., **1063–1078**
chest wall deformities in, *1981:* Oct., **1199–1207**
chloramphenicol toxicity in, *1980:* Feb., 67
diaphragmatic hernia in, *1981:* Oct., **1023–1035**
esophageal atresia and tracheoesophageal fistula in, *1981:* Oct., **1051–1061**
gastroesophageal reflux in, *1981:* Oct., **1101–1115**
inguinal hernia and hydrocele, in, *1981:* Oct., **1137–1145**
intubation of airway, *1980:* Dec., 1528–1530
jaundice in, *1981:* Oct., 1080
liver tumors in, *1981:* Oct., **1209–1217**
necrotizing enterocolitis in, *1981:* Oct., **1013–1022**
newborn, anesthesia in, *1981:* Oct., **997–1012**
parenteral nutrition in, *1981:* Oct., **1089–1100**
premature, anesthesia in, *1979:* Oct., 912
inguinal hernia in, *1981:* Oct., 1144
respiration in, physiology, *1980:* Dec., 1520–1522
respiratory distress in, clinical assessment of, *1980:* Dec., 1522–1523
monitoring, *1980:* Dec., 1523–1524
respiratory support in, *1980:* Dec., **1519–1532**
surgery in, See also specific disorders.
cardiovascular physiology and, *1981:* Oct., 1003
respiratory physiology and, *1981:* Oct., 1003
thermoregulation in, *1981:* Oct., 1003
thoracic trauma in, *1981:* Oct., 1191
tracheostomy in, *1980:* Dec., 1531
Infarction, intestinal, diagnosis of, *1979:* Oct., 886
Infection, after arterial reconstruction, *1979:* Aug., 660, 665–667
anaerobic, *1980:* Feb., **49–63**
carcinoma and, *1980:* Feb., **145–149**
in surgical patients, anergy and, *1979:* April, 192. See also *Sepsis.*
determinants of, *1979:* April, 185–189
post-transplant, *1979:* April, 295
prediction of, *1979:* April, **185–197**
inflammatory response and, *1980:* Feb., **93–105**
musculoskeletal, *1980:* Feb., **213–222**
nutrition and, *1980:* Feb., 151
opportunistic, of lung, *1980:* Aug., **913–930**
postsplenectomy, *1981:* Feb., **135–155**
overwhelming, *1979:* April, **223–233**
surgical. See also organ or region involved.
aseptic techniques and, *1980:* Feb., 31–37

Infection (*Continued*)
surgical, bacterial, *1980:* Feb., 118–120
epidemiology of, *1980:* Feb., **27–40**
host defense in, *1980:* Feb., **107–116**
incidence, and cost of, *1980:* Feb., **15–25**
intensive care and, *1980:* Feb., **117–132**
nutrition and, *1980:* Feb., **41–47**
of female genital tract, *1980:* Feb., **233–240**
perspectives in, *1980:* Feb., **5–13**
prophylactic antibiotics and, *1980:* Feb., **83–92**
pulmonary, *1980:* Feb., **175–183**
urinary tract, *1980:* Feb., **223–231**
trauma and, *1980:* Feb., **133–144**
with central parenteral nutrition, *1981:* Oct., 1098
Infectious mononucleosis, *1980:* Feb., 67
Infiltration injury, management and prevention, *1979:* Oct., **939–949**
Inflammatory bowel disease, fistulas in, TPN for, *1981:* June, 706
in children, *1981:* Oct., **1125–1135**
with growth retardation, TPN in, *1981:* June, 703
Inflammatory response, in local infections, *1980:* Feb., **93–105**
Inguinal hernia, in infants and children, *1981:* Oct., 1137–1140
Inhalation injury, complications, *1980:* Dec., 1539–1540
diagnosis and treatment, *1980:* Oct., 1026–1029; Dec., 1535–1539
pathophysiology, *1980:* Dec., 1534
xenon 133 lung scan for, *1980:* Dec., 1536
Injection, intra-arterial, tissue necrosis and, *1979:* Oct., 946–947
Injuries. See also *Trauma; Wounds;* and names of organs.
from perioperative infiltration and extravasation, *1979:* Oct., **939–949**
"Inkwell" procedure, *1980:* April, 272
Insensible water loss, in renal failure, *1980:* Oct., 1161
Insulin, as tumor marker, *1979:* April, 315
Insulin resistance, in obesity, *1979:* Dec., 998
Insulinoma, angiography and, *1979:* Feb., 122–123
C-peptide secretion in, *1979:* Feb., 121
diagnosis of, radioimmunoassay for, *1979:* Feb., 119, 132
treatment and, *1979:* Feb., **119–129**
surgical technique for removal, *1979:* Feb., 126–128, 134–135
Insurance, liability, for coverage of angiography, *1979:* June, 500
Intensive care unit, in acute respiratory distress syndrome, *1980:* Dec., **1413–1426**
surgical, infection control in, *1980:* Feb., **117–132**
Intermittent mandatory ventilation (IMV), devices for, *1980:* Dec., 1432
for neonatal respiratory distress, *1980:* Dec., 1526–1527
for respiratory distress, *1980:* Aug., 994
in acute respiratory failure, *1980:* Dec., 1409, 1422
weaning from, *1980:* Aug., 996–998; Dec., 1409–1410
Intermittent positive-pressure breathing (IPPB), devices for, *1980:* Dec., 1434
for atelectasis, *1980:* Dec., 1395–1396
for pneumonia, *1980:* Dec., 1395–1396
for pulmonary complications, *1980:* Dec., 1340–1341
Interposition, colonic, after esophagogastrectomy, *1980:* April, 276–278
Intervertebral disk, ruptured, surgical treatment, *1980:* June, 650–657
Intestinal stenosis, in neonatal necrotizing enterocolitis, *1981:* Oct., 1019
Intestine(s). See also specific parts and names of disorders.
bacterial overgrowth syndromes, *1980:* Feb., 60
infarction of, diagnosis of, *1979:* Oct., 886
inflammatory disease, in children, *1981:* Oct., **1125–1135**
ischemia of, following superior mesenteric artery disease, *1979:* Oct., 886–891
surgery of, use of stapler in, *1980:* April, 383–393
Intra-abdominal abscess, postsurgical, *1980:* Feb., 57, **197–212**
Intra-aortic balloons, insertion and removal, *1980:* June, **545–554**
Intracranial pressure, increased, acute respiratory distress syndrome and, *1980:* Dec., 1424–1425
Intracranial tumors, immunocompetence and, *1979:* April, 332
Intrapulmonary shunt fraction ($\dot{Q}_s/\dot{Q}_t$), equation for calculating, *1980:* Dec., 1406
Intravenous cholangiography, *1981:* Aug., 777
in pancreatitis, *1981:* Aug., 929–930
Intravenous hyperalimentation, complications, *1981:* June, 590–591
development, *1981:* June, **429–435**
fat-deficiency with, *1980:* Feb., 41–43
techniques, *1981:* June, **583–592**
to prevent postsurgical malnutrition, *1981:* June, 725
Intravenous nutrition, adenosine triphosphate in, *1981:* June, 515
amino acids in, *1981:* June, 515
carbohydrates in, *1981:* June, 514
fat emulsion in, *1981:* June, 515
in sepsis, formulas for, *1981:* June, 687–688
Intubation, blind nasotracheal, *1980:* Dec., 1455–1456
endotracheal. See *Endotracheal intubation.*
of airway, neonatal, *1980:* Dec., 1528–1530
of sigmoid, *1980:* April, 471–479
orotracheal, *1980:* Dec., 1452–1455
techniques of, in biliary tract surgery, *1980:* April, **297–312**
Iodine 131, for thyroid scintigraphy, *1979:* Feb., 12
Iodine 125 seeds, for early stage prostatic cancer, *1980:* Oct., **1215–1223**
IPPB. See *Intermittent positive-pressure breathing (IPPB).*
Irradiation. See *Radiation therapy.*
Ischemia, causes of, embolization vs. thrombosis, *1979:* Aug., 749–750
cerebral, arteriography in, *1979:* Aug., 543, 552
carotid surgery for, *1979:* Aug., **539–553**
diagnosis of, carotid phonoangiography in, *1979:* Aug., 544

Ischemia (*Continued*)
cerebrovascular, mechanisms of, *1979:* Aug., 672
colorectal, as complication following vascular procedures, *1979:* Aug., 662
in aorto-iliac segment, *1979:* Aug., 565–570
intestinal *1979:* Oct., 886–893
surgery for, *1979:* Aug., 641–642, 644–646
tests for, *1979:* Aug., 637–641
of leg, extraanatomic bypass graft for, *1979:* Aug., **649–658**
femoro-popliteal and femoro-tibial reconstruction for, *1979:* Aug., **581–596**
grafting vs. profundaplasty for, *1979:* Aug., 587–588
of spinal cord, as complication following vascular procedures, *1979:* Aug., 663
renal, surgery for, *1979:* Aug., **555–563**
transient cerebral, as warning of stroke, *1979:* Aug., 539
endarterectomy for, *1979:* Aug., 541
Islet cell, adenoma of, angiographic findings with, *1981:* Feb., 42
carcinoma of, morphology, *1979:* Feb., 96–98
proinsulin secretion in, *1979:* Feb., 96–97, 120
gastrinoma of, *1979:* Feb., 136–138
insulinoma of, *1979:* Feb., 134–136
transplantation of, *1981:* Feb., 91–95
tumors of, *1979:* Feb., **131–141**
Isoniazid, for lung cancer, *1981:* Dec. 1291
hepatic toxicity of, *1980:* Feb., 72

JAUNDICE, cholangiography in, *1981:* Aug., 846
cholestatic, TPN-related, *1980:* Oct., 1247–1248
in newborns, *1981:* Oct., 1080
in periampullary cancer, *1981:* Feb., 99
visualization of biliary ductal system in, *1981:* Aug., 836–838
Jejunoileal bypass, for morbid obesity, *1979:* Dec., **1055–1069**
effect on liver, *1979:* Dec., **1055–1069**
failed, surgical approaches to, *1979:* Dec., 1121–1130
oxalate urolithiasis after, *1979:* Dec., **1071–1077**
patient study, *1979:* Dec., **1033–1041**
Jejunostomy, fine needle catheter, in postsurgical malnutrition, *1981:* June 724–725
Joint replacement, articulated *1981:* Apr., 371–372
Joints, floating, *1980:* Oct., 1129

KEHR'S sign, *1981:* Feb., 3
Ketamine, as anesthetic in gastrointestinal surgery, *1979:* Oct., 906–907
Ketogenic diets, for weight loss, *1979:* Dec., 975, 989
Kidney. See also *Renal.*
acute failure, *1980:* Oct., **1151–1166**
in cardiovascular surgical patient, *1980:* Oct., 1158–1161
drug-reactions, *1980:* Feb., 73–75
failure, in respiratory failure, *1980:* Dec., 1423–1424

Kidney (*Continued*)
nutritional support, *1981:* June, **661–670**
ischemic, renal artery reconstruction for, *1979:* Aug., **555–563**
Klebsiella infection, surgical, incidence of, *1980:* Feb., 19
Klinefelter syndrome, *1979:* Dec., 1000
Knee, arthrography of, *1979:* June, 485–491
Kocher maneuver, *1980:* April, 270, 317–320, 334, 337
Kulchitsky's cells, carcinoma of, *1979:* Feb., 100
Kwashiorkor, *1981:* June, 438
clinical features of, *1979:* Oct., 763
measurement of, in TPN, *1979:* June, 439

LABORATORY, vascular, noninvasive, in small hospital, *1979:* June, **501–505**
use and abuse of, *1979:* Aug., **707–717**
Laboratory tests. See also *Tests.*
antibiotic influence on, *1980:* Feb., 78
Lactic dehydrogenase, serum, *1981:* Feb., 201
Laminectomy, multi-level, *1980:* Oct., 1041–1043
Langerhans, islet cells of. See *Islet cells.*
Laparoscope, *1980:* April, 409–411, 418
Laparoscopy, *1980:* April, **407–424**
in small hospital, *1979:* June, **449–459**
Laparotomy, for staging Hodgkin's disease, *1980:* April, **369–379**
Large bowel, carcinoma, adjuvant therapy, *1981:* Dec., 1311–1320
BCG for, *1981:* Dec., 1298
chemo-immunotherapy for, *1981:* Dec., 1319
5-fluorodeoxyuridine for, *1981:* Dec., 1315
5-FU for, *1981:* Dec., 1297–1299, 1315–1317
after palliative resection, *1981:* Dec., 1326
effectiveness of, *1981:* Dec., **1321–1329**
preoperative radiotherapy for, *1981:* Dec., 1313–1315
principles of operation for, *1981:* Dec., 1296
prolonged intermittent 5-FU for, *1981:* Dec., 1317–1318
recurrence and death rates after curative resection, *1981:* Dec., 1323–1326
Thiotepa for, *1981:* Dec., 1297, 1315
unfavorable prognostic signs, *1981:* Dec., 1317
Laryngeal stenosis, *1980:* June, 646–647
Laryngeal surgery, new techniques, *1980:* June, **637–647**
Laryngectomy, voice restoration after, *1980:* June, 641–645
Larynx, pharynx and, paralysis of, *1980:* Oct., **1079–1092**
Laurence-Moon-Biedl syndrome, *1979:* Dec., 1000
Laser surgery in laryngeal disease, *1980:* June, 637–638
Lavage, peritoneal, in diagnosis of gangrenous bowel, *1979:* Oct., 873
in pancreatitis, *1981:* Feb., 65–68
L-dopa, interactions with anesthetic drugs, *1979:* Oct., 916
Leg, ischemic, extraanatomic bypass grafts for, *1979:* Aug., 649–658
femoro-popliteal and femoro-tibial reconstruction for, *1979:* Aug., **581–596**

Leg (*Continued*)
ischemic, revascularization of, profundaplasty for, *1979:* Aug., **681–691**
Leriche syndrome, in aorto-iliac disease, *1979:* Aug., 566
Leucine aminopeptidase, *1981:* Feb., 200
Leukocytes, in malnutrition, *1981:* June, 564–565
polymorphonuclear, *1979:* April, 201, 329
phases of, *1979:* April, 202
Leukopenia, drug-induced, *1980:* Feb., 76
Levamisole, as immunotherapeutic agent, *1979:* April, 201, 372
for lung cancer, *1981:* Dec., 1291, 1292
for malignant melanoma, *1981:* Dec., 1252
Ligation, for bleeding esophageal varices, *1980:* April, 283–286
Limb, salvage of, grafting vs. profundaplasty for, *1979:* Aug., 587–588
Lipid deficiency, with intravenous hyperalimentation, *1980:* Feb., 41–43
Lipid system, in peripheral parenteral nutrition, *1981:* June, 595–597
Lipids, in total parenteral nutrition, *1979:* Oct., 771
Lipoma, mediastinal, *1980:* Aug., 771
Liposarcoma, mediastinal, *1980:* Aug., 771
Lipostat theory, *1979:* Dec., 977
Liquid protein diets, dangers of, *1979:* Dec., 988
Liver, abnormalities, during TPN, *1980:* Oct., 1247–1248
abscess of, percutaneous drainage of, *1981:* Feb., **157–167**
anatomic variations of, *1980:* April, 350–357
biopsy of, for staging Hodgkin's disease, *1980:* April, 371
bile duct carcinoma, *1981:* Feb., 175
CT and ultrasound examination of, *1981:* Aug., 808, 812
decompression of, *1980:* Oct., **1305–1314**
disease. See also *Jaundice.*
nutritional support in, *1979:* Oct., 779; *1981:* June, **653–660**
drug-reactions, *1980:* Feb., 71–73
effect of morbid obesity on, *1979:* Dec., **1079–1093**
failure, after trauma, *1981:* June, 676
pathophysiology of, *1981:* Feb., **221–230**
focal nodular hyperplasia of, *1981:* Feb., 184
function, abnormalities, with parenteral nutrition in children, *1981:* Oct., 1097
assessment of, *1981:* Feb., **197–207**
effect of TPN on, *1981:* June, 516
lesions of, hemorrhage in, *1981:* Aug., **973–979**
metastatic disease of, *1981:* Feb., 188–194
resection of, *1980:* April, **349–367**
trauma to, *1981:* Feb., 11–14
in children, *1981:* Oct., **1165–1180**
tumors of, *1981:* Feb., **181–196**
in children, *1981:* Oct., **1209–1217**
malignant, *1981:* Feb., **169–180**
ultrasound examination of, *1981:* Aug., 791–794
Liver cell carcinoma, *1981:* Feb., 170–175
Lobectomy, of liver, left, *1980:* April, 365
right, *1980:* April, 363
Lumbar spine, disk lesions and spondylosis of, *1980:* June, **649–663**
Lung. See also *Pulmonary.*
bacterial invasion of, *1980:* Feb., 176–178
cancer of, choice of adjuvant modality, *1981:* Dec., 1286
combination chemotherapy for, *1981:* Dec., 1290
intradermal BCG for, *1981:* Dec., 1290–1291
intrapleural BCG for, *1981:* Dec., 1291–1292
natural history after resection, *1981:* Dec., **1279–1287**
surgical adjuvant therapy for, *1981:* Dec., 1289–1294
type of tumor correlated with survival, *1981:* Dec., 1281
capillaries of, increased permeability in, *1980:* Dec., 1330
carcinoma of, *1980:* Aug., **793–814**
combination chemotherapy for, *1981:* Dec., 1290
immunocompetence and, *1979:* April, 337
immunotherapy and, *1979:* April, 374
intralesional BCG for, *1981:* Dec., 1292
intrapleural BCG for, *1981:* Dec., 1291–1292
isoniazid for, *1981:* Dec., 1291
levamisole for, *1981:* Dec., 1291, 1292
surgery for, *1980:* Aug., **815–824**
surgical adjuvant therapy for, *1981:* Dec., 1289–1284
surgical resection of, *1980:* Aug. 807–808
TMN classification of, *1980:* Aug., 802–804
contusion of, *1980:* Dec., 1546
in infants and children, *1981:* Oct., 1183
disease of, angiographic evaluation of, *1980:* Aug., 752–753, *754*
diagnostic work-up of, *1980:* Aug., **743–755**
drug-induced, *1980:* Feb., 70–71
effect on function, *1980:* Dec., 1333–1334
in surgical patient, *1980:* Feb., **175–183**
edema, *1980:* Oct., 1141–1143; Dec., 1326–1328
causes, *1980:* Dec., 1326–1328, 1410
fluid therapy for, *1980:* Dec., 1369–1370
fulminant noncardiogenic, in adult respiratory distress syndrome, *1980:* Dec., 1380–1381
in sepsis, *1981:* June, 688–689
radiograph of, *1980:* Dec., 1512–1517
relationship to infection and fibrosis, *1980:* Dec., 1328–1329
function of, changes in, after operation or trauma, *1980:* Dec., 1329–1330
effect of TPN on, *1981:* June, 516–517
hemodynamics, *1980:* Oct., 1136–1138
injury to, role of lysosomal enzymes in, *1980:* Dec., 1384
smoke inhalation and, *1980:* Dec., 1535
lavage of, for aspiration pneumonia, *1980:* Dec., 1559
lesions of, radiographic imaging of, *1980:* Aug., 736
mechanical and functional characteristics, *1980:* Oct., 1144
metabolic function, *1980:* Oct., 1138–1140; Dec., 1387–1388
microvascular membrane of, physiology, *1980:* Dec., 1373–1376
normal morphology, *1980:* Oct., 1133–1136
opportunistic infection of, *1980:* Aug., **913–930**

Lung (*Continued*)
overhydration, radiograph of, *1980:* Dec., 1514–1515
pathophysiology of, in surgical patients, *1980:* Dec., **1323–1338**
prenatal development of, congenital diaphragmatic hernia and, *1981:* Oct., 1025
preoperative testing of, *1980:* Dec., 1333–1334
resection of, *1980:* Dec., 1489
surgery of, risk factors in, *1980:* Dec., 1349–1351
thromboembolism of, effect on pulmonary function, *1980:* Dec., 1332
trauma to, *1980:* Aug., 968–970
tumor of, benign, *1980:* Aug., 825–834
volume-pressure relationship in, due to alveolar collapse, *1980:* Dec., 1325–1326
xenon 133 scan of, for inhalation injury, *1980:* Dec., 1536
Lymph node, upper abdominal dissection of, for staging Hodgkin's disease, *1980:* April, 373–375
Lymphangiography, thoracic, *1980:* Aug., 721
Lymphangioma, mediastinal, *1980:* Aug., 771–772
Lymphocyte-mediated cytotoxicity, in malnutrition, *1981:* June, 561
Lymphocyte(s), *1979:* April, 189, 235. See also *T-cell* and *B-cell.*
blastogenesis and, *1979:* April, 260–262, 271, 333
count, and cancer, *1979:* April, 324, 326, 333
function of, surface markers and, *1979:* April, 238–246
in malnutrition, *1981:* June, 563, 557–558
membrane of, *1979:* April, 238
stages of maturation, *1979:* April, 243
subpopulations of, *1979:* April, 333
Lymphokines, production of, in malnutrition, *1981:* June, 561–562
Lympholysis, cell-mediated (CML), definition of, *1979:* April, 254
Lymphoma, gastrointestinal, diagnosis and therapy of, *1979:* Oct., **877–833**
mediastinal, *1980:* Aug., 768–769
staging of, *1981:* Feb., 121

MACROPHAGES, immunologic function of, *1979:* April, 201, 324, 329
Mafenide, for burns, *1980:* Feb., 189
Malignant disease. See *Carcinoma.*
Malignant hyperthermia, in pediatric surgery, *1981:* Oct., 1007
Malnutrition. *1981:* June, 437–438
anergy and, *1979:* April, 191
clinically important factors, study of, *1981:* June, 468–470
immunoglobulins in, *1981:* June, 563–564
in gastrointestinal disease, *1979:* Oct., **761–779**
in surgical patients, consequences, *1981:* June, **465–487**
leukocytes in, *1981:* June, 564–565
lymphocytes in, *1981:* June, 563; 557–558
macrophages in, *1981:* June, 565
protein-calorie, postoperative, *1981:* June, 721–724
Malnutrition (*Continued*)
treatment, *1981:* June, 725–726
Malpractice, documentation of care and, *1980:* Oct., 1017–1020
Mandible, resection of, *1979:* Aug., 795–799
Manometry, esophageal, in determining competency of lower sphincter, *1979:* Oct., 843
operative, in choledocholithiasis, *1981:* Aug., 901–902
Marasmus, *1981:* June, 437
clinical features of, *1979:* Oct., 763
determination of, in TPN, *1979:* June, 438–439
Marshall-Marchetti-Krantz procedure, for stress incontinence, *1980:* April, 430–434
Mass, mediastinal, *1980:* Aug., **757–777**
MAST trousers, in prevention of shock, *1979:* June, 461–470
MEA. See *Multiple endocrine adenomatosis (MEA).*
Mediastinoscopy, *1980:* Aug., 751
in diagnosis of lung cancer, *1980:* Aug., 804–805
Mediastinotomy, anterior, diagnostic, *1980:* Aug., 751–752
Mediastinum, anterior, radiographic imaging of, *1980:* Aug., 726
middle, radiographic imaging of, *1980:* Aug., 726, 731
posterior, radiographic imaging of, *1980:* Aug., 731, 733
Medical records, documentation of emergency care, *1980:* Oct., 1017–1020
Melanoma, immunocompetence and, *1979:* April, 330
immunotherapy and, *1979:* April, 373
malignant, adjuvant therapy for, *1981:* Dec., 1249–1257
BCG as immunotherapy, *1981:* Dec., 1250–1251, 1252, 1260–1261, 1269
compared with *C. parvum*, *1981:* Dec., 1250
C. parvum for, *1981:* Dec., 1259, 1261–1264
DTIC for, *1981:* Dec., 1252–1253
levamisole for, *1981:* Dec., 1252
methyl-CCNU for, *1981:* Dec., 1270
Pseudomonas vaccine and chemotherapy for, *1981:* Dec., 1264–1265
radiotherapy for, *1981:* Dec., 1255
specific immunotherapy for, *1981:* Dec., 1252
surgical adjuvant therapy for, *1981:* Dec., **1259–1266**
transfer factor for, *1981:* Dec., 1251
Melzer-Lyons test, *1981:* Aug., 912
MER, chemotherapy and, for large bowel cancer, *1981:* Dec., 1319
Mesothelioma, mediastinal, *1980:* Aug., 771
Metabolic acidosis, with parenteral nutrition, *981:* Oct., 1096
Metabolism, abnormalities of, correction of, with TPN, *1979:* Oct., 770
after trauma, *1981:* June, 672–674
effect of stress on, *1981:* June, 513–514
in cancer, *1981:* June, 694–696
in prolonged starvation, *1981:* June, 536–537
in sepsis, *1981:* June, 683
in stressed starvation, *1981:* June, 538–541
in uncomplicated starvation, *1981:* June 529–535

Metabolism (*Continued*)
obesity and, *1979:* Dec., 997–998
role of hormones, *1981:* June, 683–684
Metastases, pulmonary, surgery for, *1980:* Aug., **815–824**
Methicillin, *S. aureus* resistant to, *1980:* Feb., 119–120
Methimazole (Tapazole), for Graves' disease, *1979:* Feb., 36, 39
Methyl-CCNU, for malignant melanoma, *1981:* Dec., 1270
5-FU and, for large bowel cancer, studies of effectiveness, *1981:* Dec., 1328
for rectal carcinoma, *1981:* Dec., 1318–1319
plus MER, for large bowel cancer, *1981:* Dec., 1319
toxicity of, *1981:* Dec., 1274
3-Methylhistidine, measurement of somatic protein mass, *1981:* June, 455
Microembolization, causing pulmonary injury, controversy concerning, *1980:* Dec., 1381–1383
Microvascular surgery, in digital replantation, *1981:* Apr., 391–393
in reconstruction of hand, *1980:* Oct., **1105–1119**
Midsternotomy, for pulmonary resection, *1980:* Dec., 1488
Mid–upper arm circumference, measurement of, *1981:* June, 452–454
Mini-residency, in education of surgeons, *1979:* June, 529
Mitomycin C, for superficial bladder tumors, *1981:* Dec., 1335–1336
Mixed lymphocyte culture (MLC), definition of, *1979:* April, 254
Moniliasis, pulmonary, *1980:* Aug., 911
Monitoring, in pediatric surgery, *1981:* Oct., 1003–1007
Monoamine oxidase inhibitors, interactions with anesthetic drugs, *1979:* Oct., 914–915
Monosporosis, pulmonary, *1980:* Aug., 911
Morbid obesity. See *Obesity, morbid.*
Morbilliform rash, *1980:* Feb., 67
Mucormycosis, pulmonary, *1980:* Aug. 910
Mucosal neuroma syndrome, *1979:* Feb., **109–118**
Multiple endocrine adenomatosis (MEA), hormone production and, *1979:* Feb., 103
Multiple endocrine neoplasia type IIb, *1979:* Feb., **109–118**
Multiple systems failure, prevention of, *1980:* Oct., **1167–1178**
Muscle relaxants, in pediatric anesthesia, *1981:* Oct., 1000
Muscle strength, tests for, *1981:* April, 303–304
Muscles. See names of muscles.
Musculocutaneous flaps, in head and neck reconstruction, *1980:* Oct., **1187–1199**
Musculoskeletal infection, *1980:* Feb., **213–222**
Myasthenia gravis, *1980:* Aug., **931–945**
thymoma and, *1980:* Aug., 766, 768
Mycobacteria, atypical, *1980:* Aug., 889–890
Mycobacterium bovis, as an immunotherapeutic agent, *1979:* April, 355
Myelofibrosis, splenectomy for, *1981:* Feb., 120
Myelography, mediastinal, *1980:* Aug., 721, 763
Myeloma, of chest wall, *1980:* Aug., 786
Myoblastoma, granular cell, of bronchus, *1980:* Aug., 830
Myocardium, contusion of, *1980:* Dec., 1547
Myocutaneous flaps. See *Musculocutaneous flaps.*

NATIONAL Nosocomial Infections Study, *1980:* Feb., 17
Necrotizing enterocolitis, in neonates, *1981:* Oct., **1013–1022**
Needle, Verres, for pneumoperitoneum, *1980:* April, 407–408
Needle catheter jejunostomy, *1981:* June, 612
Neonate, biliary obstruction in, *1981:* Aug., 987–992
Neoplasms. See *Tumors.*
Nephrectomy, radical, for Wilms' tumor, *1981:* Oct., 1224
Nephritis, interstitial, allergic, drug-induced, *1980:* Feb., 75
Nephrostomy, *1980:* June, 688–689, 690
Nerve conduction, electrical studies of, *1981:* April, 314
Nerve graft, in hand, *1981:* April, 331–332
Nerve(s). See also under specific names.
of hand, coaptation of, *1981:* April, 325–327, 330
repair, *1981:* April, **321–340**
primary versus secondary, *1981:* April, 322–324
sympathetic, lumbar, and vasoconstriction, *1979:* Aug., 722–724
Nervous system, central, hepatic failure and, *1981:* Feb., 224
in obesity, *1979:* Dec., 998
Nesidioblastosis, as a disease of APUD cell system, *1979:* Feb., 100, 104
Neuralgia, trigeminal, refractory, microsurgical techniques for, *1980:* June, **593–607**
Neurilemmoma, mediastinal, *1980:* Aug., 764
of chest wall, *1980:* Aug., 784
Neuroblastoma, *1981:* Oct., 1227–1236
mediastinal, *1980:* Aug., 766
Neurofibroma, mediastinal, *1980:* Aug., 765
of chest wall, *1980:* Aug., 784
Neurogenic bladder, in children, undiversion in, *1981:* Oct., 1158
Neurologic evaluation, in spinal injuries, *1980:* Oct., 1036, 1049
Neurologic reactions, to antibacterials, *1980:* Feb., 68–70
Neurolysis, in hand, *1981:* Apr., 336
Neuroma, acoustic, suboccipital microsurgical removal of, *1980:* June, **565–591**
of fingertip, *1981:* Apr., 259–260
Neuromuscular blockade, ventilation after, *1980:* Dec., 1441
Neurosarcoma, mediastinal, *1980:* Aug., 765
Neutron activation, in nutritional assessment, *1981:* June, 747–748
Newborns. See *Infants.*
Nezeloff syndrome, immunodeficiency and, *1979:* April, 306
Niacin, *1981:* June, 503–504
Nicotinic acid, *1981:* June, 503–504
Ninhydrin test, *1981:* Apr., 313
Nissen fundoplication, in infants and children, *1981:* Oct., 1109

Nitrofurantoin, pulmonary reactions to, *1980:* Feb., 70
Nitrofurazone, *1980:* Feb., 189
Nitrogen balance, *1981:* June, 642
energy intake and, *1981:* June, 553, 554
formula, *1981:* June, 579
in TPN, *1979:* June, 438–440
Nitrogen loss, *1981:* June, 495, 497
Nocardiosis, pulmonary, *1980:* Aug., 910, 920
Nodules, pulmonary, radiographic diagnosis of, *1980:* Aug., 733–734, 736
Nonshunting procedures, for bleeding esophageal varices, *1980:* Apr., **281–295**
Nosocomial infection, anaerobic, *1980:* Feb., **49–63**
respiratory, *1980:* Feb., **175–183**
surgical. See also organ or system involved.
aseptic tehnniques and, *1980:* Feb., 31–37
epidemiology of, *1980:* Feb., **27–40**
host defense in, *1980:* Feb., **107–116**
incidence of, *1980:* Feb., **15–25**
nutrition and, *1980:* Feb., **41–47**
prophylactic antibiotics and, *1980:* Feb., **83–92**
5′Nucleotidase, serum, *1981:* Feb., 200
Nuclide scanning, in pancreatitis, *1981:* Aug., 930
Nutrition. See also *Diet*.
assessment of, in disease states, *1979:* Oct., 765–777
techniques, **437–463,** 749–750
to identify patients for nutritional support, *1981:* June, 574
enteral, complications of, *1979:* Oct., 778
in gastrointestinal disease, *1979:* Oct., 773–779
immune response and, *1980:* Feb., 114–115; *1981:* June, **557–569**
in acute respiratory distress syndrome, *1980:* Dec., 1424
in cancer, *1981:* June, **691–700**
in surgical patients, symposium on, **429–753**
in treatment of gastrointestinal disease, *1979:* Oct., **761–779**
infection and, *1980:* Feb., **41–47,** 151
parenteral, in infants and children, *1981:* Oct., **1089–1100**
total parenteral (TPN). See also *Hyperalimentation*.
assessment of efficacy, *1979:* June, 438–440
complications of, *1979:* June, 421; Oct., 772
cost effectiveness, *1981:* June, 745
effect on hepatic function, *1981:* June, 516
effect on pulmonary function, *1981:* June, 516–517
efficacy of carbohydrate versus lipid calories, *1981:* June, 737
gallbladder complications, *1981:* June, 676
home, *1981:* June, **621–633**
in Crohn's disease, *1981:* June, 702–703
in gastrointestinal disease, *1979:* Oct., 765–773
in infants and children, metabolic complications, *1980:* Oct., **1239–1252**
in inflammatory bowel disease with fistulas, *1981:* June, 706
with growth retardation, *1981:* June, 703
in pancreatitis, *1981:* June, 704
Nutrition (*Continued*)
total parenteral (TPN), in renal failure, *1981:* June, 666–668
in small hospital, *1979:* June, **411–440**
in ulcerative colitis, *1981:* June, 702
preoperative, effect on operative morbidity and mortality, *1981:* June, 478–484
procedural handbook for, *1979:* June, 420–440
solutions, optimum amino acid concentration, *1981:* June, 738
standard, *1979:* June, 412, 422
Nutrition support service, cost effectiveness, *1981:* June, 718–719
establishment of, *1981:* June, 710
Nutrition support team, roles of members, *1981:* June, 711–714
Nutritional deficiencies, disease states associated with, *1981:* June, 439
Nutritional index, prognostic, *1980:* Feb., 45
Nutritional markers, predictors of operative morbidity and mortality, *1981:* June, 470–477
Nutritional requirements, normal, *1981:* June, **489–507**
Nutritional support. See also specific type of support.
as primary therapy, *1981:* June, 572
body composition and, *1981:* June, **729–741**
cost effectiveness, *1981:* June, 580
decision-making in, *1981:* June, **571–582**
ethical considerations, *1981:* June, 745–746
in cancer, *1981:* June, 697–698
in cardiac failure, *1981:* June, **635–652**
in gastrointestinal disease, *1981:* June, **701–708**
in hepatic disease, *1981:* June, **653–660**
in renal failure, *1981:* June, **661–670**
in sepsis, *1981:* June, **681–690**
in trauma, *1981:* June, **671–679**
overfeeding in, *1981:* June, 577–578

OAT cell carcinoma, as a disease of APUD system, *1979:* Feb., 100, 105
Obesity, causes of, *1979:* Dec., 963–964
cholesterol levels in, *1979:* Dec., 970
diabetes mellitus and, *1979:* Dec., 972–973
dissolution of gallstones and, *1979:* Oct., 894
drug therapy for, *1979:* Dec., 1002
environmental factors in, *1979:* Dec., 998–999
gallstone disease and, *1979:* Dec., 969, **1095–1101**
heart disease and, *1979:* Dec., 969
hypertension with, *1979:* Dec., 971
in childhood, *1979:* Dec., **995–1006**
massive, surgical approaches to, *1979:* Dec., 990. See also specific operations.
morbid, symposium on, *1979:* Dec., **961–1152**
adipose tissue morphology in, *1979:* Dec., **977–983**
anesthesia in, *1979:* Oct., 911–912
effect on liver, *1979:* Dec., **1079–1093**
energy regulation in, *1979:* Dec., **1017–1031**
gastroplasty for, *1979:* Dec., **1113–1120**
health consequences of, *1979:* Dec., **963–976, 985–986**
jejunoileal bypass for, *1979:* Dec., **1033–1041, 1055–1069**

Obesity (*Continued*)
personality factors in, *1979:* Dec., 1008–1009
morbid, surgery for, in children, *1979:* Dec., 1002–003
therapy for, *1979:* Dec., **985–994**
vagotomy for, *1979:* Dec., **1131–1138**
triglyceride levels in, *1979:* Dec., 970
Obesity hypoventilation syndrome, *1979:* Dec., 969
Obesity index, *1979:* Dec., 965
Oculoplethysmography, in diagnosis of cerebral ischemia, *1979:* Aug., 544
in noninvasive evaluation of carotid artery, *1980:* June, 515–517
Oliguria, in acute renal failure, *1980:* Oct., 1154
Omphalocele, *1981:* Oct., **1037–1049**
Oophoropexy, prior to radiotherapy for Hodgkin's disease, *1980:* April, 375
Opportunistic infection, in cancer patient, *1980:* Feb., 146–153
of lung, *1980:* Aug., 913–930
Optic neuritis, drug-induced, *1980:* Feb., 69
Oral cholecystography, *1981:* Aug., 776–777
Organ failure, multiple, prevention of, *1980:* Oct., **1167–1178**
Osteochondroma, of rib, *1980:* Aug., 782, 783, 784
Osteomyocutaneous free flap, *1980:* Oct., 1195–1198
Ototoxicity, of antibacterials, *1980:* Feb., 69
Ovariopexy, prior to radiotherapy for Hodgkin's disease, *1980:* April, 375
Oxalate urolithiasis, after jejunoileal bypass, *1979:* Dec., **1071–1077**
Oxygen, for neonatal hypoxemia, *1980:* Dec., 1524
Oxygen delivery, to peripheral tissues, *1980:* Dec., 1405
in acute respiratory distress syndrome, *1980:* Dec., 1418
Oxygen toxicity, causing respiratory failure, *1980:* Dec., 1387
development in respiratory failure, *1980:* Dec., 1405

P-900, in peripheral parenteral nutrition, *1981:* June, 601
Pacemaker, diaphragm, for quadriplegic with respiratory paralysis, *1980:* Oct., **1055–1078**
Pain, of relapsing pancreatitis, *1981:* Feb., 77
pelvic, diagnosis of, laparoscopy for, *1979:* June, 458
Pancreas, abscess of, *1981:* Feb., 68
biopsy of, *1981:* Feb., 108
cancer of, *1981:* Feb., **107–115**
angiography in, *1981:* Feb., 37–43
extent of resection for, *1981:* Feb., 111–114
pancreatography in, *1979:* Oct., 791
surgical management of, *1980:* April, **333–347**
disease, CT and ultrasound of, *1981:* Aug., 814
endoscopic retrograde cannulation of, *1981:* Feb., 23, 101
hemorrhagic necrosis of, *1981:* Aug., 929
imaging of, *1981:* Feb., **17–45**
injury to, *1981:* Feb., **6–11**
insulinomas of, *1979:* Feb., **119–129**
islet cell, tumors of, *1979:* Feb., **131–141**

Pancreas (*Continued*)
lesions of, surgical management of, *1980:* April, **333–347**
physiology of, *1981:* Feb., **47–54**
polypeptide abnormalities of, diarrheogenic syndrome in, *1979:* Feb., 152
pseudocysts of, *1981:* Feb., 73–75
surgery of, bypass, *1981:* Feb., 111
transplantation of, *1981:* Feb., **85–98**
trauma to, pancreatitis after, *1981:* Feb., 73
tumors of, tests for localization, *1979:* Feb., 133
ultrasound examination of, *1981:* Aug., 794
Pancreatectomy, *1980:* April, 344–345
nutritional problems after, *1981:* June, 727
Pancreatectomy, total, for cancer, *1981:* Feb., 111
Pancreaticojejunostomy, *1980:* April, 342
Pancreatitis, acute, *1981:* Feb., **55–70**
prognostic signs in, *1981:* Feb., 58–59
surgery for, *1981:* Feb., 63
chronic, *1981:* Feb., **71–83**
islet cell transplant in, *1981:* Feb., 91–95
relapsing, *1981:* Feb., 77
endoscopic retrograde cholangiopancreatography in, *1979:* Oct., 792
gallstone, *1981:* Aug., 923–938
nutritional support in, *1981:* June, 704–705
respiratory complications of, *1981:* Feb., 62
role of bile in, *1981:* Aug., 924–925
role of common bile duct stones, *1981:* Aug., 925
ultrasonography in, *1981:* Feb., 28–32, 101
Pancreatoduodenal resection, *1981:* Feb., 111
Pancreatoduodenectomy, radical, for pancreatic lesion, *1980:* April, 338–341
Pancuronium bromide, as anesthetic in gastrointestinal surgery, *1979:* Oct., 908
Papilla of Vater, diseases of, *1981:* Aug., 909–913
Papillotomy, endoscopic, *1979:* Oct., 792
Paraganglioma, mediastinal, *1980:* Aug., 766
Paraplegia, after surgery for aortic aneurysm, *1979:* Aug., 628–629
after vascular procedures, *1979:* Aug., 664
Paratenon, of hand, 269
Parathormone, as tumor marker, *1979:* April, 317
Parathyroid, allotransplant of, *1979:* Feb., 170, 175
autotransplant of, *1979:* Feb., 80, **167–177**
assessment of graft function, *1979:* Feb., 172
carcinoma of, surgery for, *1979:* Feb., 66
cryopreservation of, *1979:* Feb., 80, 171
disease, surgery for, *1979:* Feb., 77–81
complications, *1979:* Feb., **83–92**
Parathyroid gland(s), disorders of. See also specific disorders, as *Hyperparathyroidism.*
mediastinal, *1980:* Aug., 773
transplant of, *1979:* Feb., **167–177**
Parenchyma, pulmonary, radiographic imaging of, *1980:* Aug., 733–734, 736
Parenteral nutrition. See also *Hyperalimentation; Nutrition, total parenteral (TPN).*
in infants and children, *1981:* Oct., **1089–1100**
Parietal cell vagotomy, *979:* Oct., 951–956; *1980:* Apr., **247–263**
Parkland regimen, hypotonic, in fluid resuscitation, *1980:* Oct., 1022–1023
Parotid gland, advanced tumors of, radical neck dissection for, *1980:* June, 621–624
Patent ductus arteriosus, *1981:* Oct., 1070

Patient, high risk, preoperative pulmonary assessment of, *1980:* Dec., **1349–1357**
pulmonary complications in, prevention of, *1980:* Dec., **1359–1370**
multiply injured, fractures in, *1980:* Oct., **1121–1131**
surgical, acute renal failure in, *1980:* Oct., **1151–1166**
Pectoralis major muscle flap, *1980:* Oct., 1193–1195
Pectus carinatum, *1981:* Oct., 1204
Pectus excavatum, *1981:* Oct., 1199
Pediatric. See *Children; Infants.*
Pediatric surgery, anesthesia for, *1981:* Oct., **997–1012**
PEEP. See *Positive end-expiratory pressure (PEEP).*
Penicillin(s), allergic reactions to, *1980:* Feb., 65
synthetic, hepatotoxicity of, *1980:* Feb., 72
Peptic ulcer. See also *Duodenum, ulcer.*
cimetidine for, *1979:* Oct., **863–867**
Peptides, effect on pancreatic secretion, *1981:* Feb., 52
Percutaneous transhepatic cholangiography, *1981:* Aug., 777–778, 931
in choledocholithiasis, *1981:* Aug., 898–899
thin needle, in acute sclerosing pancreatitis, *1981:* Aug., 955
Percutaneous transhepatic tube, in biliary tract surgery, *1980:* April, 309–311
Peripheral nerves, injuries to, assessment of, *1981:* April, **303–319**
Peripheral parenteral nutrition, *1981:* June, **593–604**
lipid system in, *1981:* June, 595–597
P-900 in, *1981:* June, 601
thrombophlebitis in, prevention, *1981:* June, 601
Peripheral vascular surgery, symposium on, *1979:* Aug., **537–753**
Peritoneal cavity, examination of, *1980:* April, **407–423**
Peritoneal drainage, in neonates, *1981:* Oct., 1019
Peritoneal lavage, in children, *1981:* Oct., 1166
in pancreatitis, *1981:* Feb., 65–68
Peritoneoscopy, *1980:* April, **407–424**
Peritonitis, *1980:* Feb., 57
post-surgical, *1980:* Feb., 199
PHA. See *Phytohemagglutinin (PHA).*
Phagocytosis, effect of injury and operation on, *1979:* April, 201–205
immunologic function of, *1979:* April, 202, 237, 246–247
Phalanx(ges), distal, amputation of, *1981:* April, 249–254
fracture, *1981:* April, 257
middle, amputation of, *1981:* April, 254
proximal, amputation of, *1981:* April, 256
Pharyngolaryngectomy, for tracheal carcinoma, *1980:* April, 278
Pharynx, larynx and, paralysis of, *1980:* Oct., **1079–1092**
Pheochromocytoma, mediastinal, *1980:* Aug., 766
Phlebography, in diagnosis of varicose veins, *1979:* Aug., 741–742
Phonoangiography, carotid, *1980:* June, 514–515
Phonangiography (*Continued*)
carotid, in diagnosis of cerebral ischemia, *1979:* Aug., 544
Photosensitivity, *1980:* Feb., 68
Phrenic nerves, electrical stimulation of, for respiratory paralysis, *1980:* Oct., **1055–1078**
Phycomycosis, pulmonary, *1980:* Aug., 916–918
Phyrigian cap, imaging of, *1981:* Aug., 795
Physiologic dead space, equation for, *1980:* Dec., 1417
Physiotherapy, of chest, in acute respiratory failure, *1980:* Dec., 1411
in atelectasis, *1980:* Dec., 1396
in pneumonia, *1980:* Dec., 1396
Phytohemagglutinin (PHA), *1979:* April, 208, 254, 333
Pickwickian syndrome, *1979:* Dec., 969
Pituitary gland, adenomas of, *1980:* Oct., **1201–1206**
Plasma therapy, immune response and, *1980:* Feb., 110–114
Plasmacytoma, in chest wall, *1980:* Aug., 786
Plasmapheresis, for myasthenia gravis, *1980:* Aug., 936
Plastic surgery. See also specific areas.
cosmetic, after bypass surgery and massive weight loss, *1979:* Dec., **1139–1152**
Plethysmography, in measurement of body volume, *1981:* June, 749
Pleural effusion, *1981:* Feb., 76
Pleuroscopy, *1980:* Aug., 749–750
Pneumococcal vaccine, polyvalent, *1981:* Feb., 132
Pneumocystosis, in compromised patient, *1980:* Aug., 922–924
Pneumomediastinography, *1980:* Aug., 763
Pneumonia, antibiotics for, *1980:* Dec., 1399
aspiration, *1980:* Feb., 56; Dec., 1551–1563
in surgical patient, *1980:* Feb., 177–179
prevention of, *1980:* Dec., 1563
treatment of, *1980:* Dec., 1558–1562
continuous positive airway pressure for, *1980:* Dec., 1398–1399
development of atelectasis and, *1980:* Dec., 1394
diagnostic criteria, *1980:* Dec., 1393–1394
endotracheal suctioning in, *1980:* Dec., 1396
in surgical patient, *1980:* Feb., **175–183**
interstitial, in compromised patient, *1980:* Aug., 922–924
intratracheal catheterization for, *1980:* Dec., 1396–1397
physiotherapy of chest in, *1980:* Dec., 1396
positive end-expiratory pressure in, 1980: Dec., 1398–1399
sputum sampling in, *1980:* Dec., 1399
Pneumonitis, aspiration, *1980:* Oct., 1087
Pneumoperitoneum, in laparoscopy, *1980:* April, 413–416
in neonates, *1981:* Oct., 1018
Pneumothorax, closed, *1980:* Aug., 965
in infants and children, *1981:* Oct., 1186
open, *1980:* Aug., 964–965; Dec., 1543
spontaneous, *1980:* Aug., 851–857
tension, *1980:* Aug., 965–966; Dec., 1545
treatment of, *1980:* Dec., 1465–1467
Poisoning, carbon monoxide, *1980:* Dec., 1534

Polyps, colonic, colonoscopic removal of, *1979:* Oct., 793
Ponderal index, *1979:* Dec., 965
Popliteal artery, injuries to, management in small hospital, *1979:* June, **507–515**
Popliteal vein, ultrasound examination of, *1979:* June, 505
Porta-azygous disconnection, for bleeding esophageal varices, *1980:* April, 286–291
Positive end-expiratory pressure (PEEP), as feature of ventilator, *1980:* Dec., 1430
  breaking of, sedation of patient for, *1980:* Dec., 1362–1363
  effect of, assessment with Swan-Ganz catheter, *1980:* Dec., 1407
  for acute respiratory distress syndrome, *1980:* Dec., 1421–1422
  for aspiration pneumonia, *1980:* Dec., 1562
  in acute respiratory failure, *1980:* Dec., 1405–1406
  in atelectasis, *1980:* Dec., 1398–1399
  in pneumonia, *1980:* Dec., 1398–1399
  increased, indications for, *1980:* Dec., 1365–1366
Positive-pressure ventilation, for aspiration pneumonia, *1980:* Dec., 1562
Pott's disease, *1980:* Aug., 893–894
Povidone-iodine, for burns, *1980:* Feb., 189
Prader-Willi syndrome, *1979:* Dec., 1000, 1003
Prealbumin, serum, assessment of visceral protein, *1981:* June, 458
Pregnancy, dissolution of gallstones in, *1979:* Oct., 807
  massive obesity and, *1979:* Dec., 974
Procidentia, rectal, *1980:* April, **451–455**
Proctolcolectomy, for inflammatory disease in children, *1981:* Oct., 1127
Profundaplasty, for revascularization of lower extremities, *1979:* Aug., **681–691**
Prognostic nutritional index, *1980:* Feb., 45
Prolapse, rectal, *1980:* April, **451–455**
Prophylaxis, antibiotic, preoperative, *1980:* Feb., **83–92**
Propranolol, for Graves' disease, *1979:* Feb., 39–40
Propylthiouracil (PTU), for Graves' disease, *1979:* Feb., 36, 39
Prostaglandins, pancreatic secretion and, *1981:* Feb., 52
Prostanoid system, initiation of adult respiratory distress syndrome and, *1980:* Dec., 1385–1387
Prostate, carcinoma of, implantation of iodine-125 seeds, *1980:* Oct., **1215–1223**
Prostatic acid phosphatase, as tumor marker, *1979:* April, 320
Prosthesis, for chest wall, *1980:* Aug., 789
  Dacron, in aorto-iliac bypass grafting, *1979:* Aug., 574
    in intestinal revascularization, *1979:* Aug., 642, 645–646
Protein, allowance, *1981:* June, 497
  deficiency of, *1979:* Oct., 761–764
  diets, liquid, dangers of, *1979:* Dec., 988
  in TPN, *1979:* Oct., 769
  metabolism, normal, *1981:* June, 520–521
    in stress, *1981:* June, 524–525
Protein (*Continued*)
  requirements, in congestive heart failure, *1981:* June, 642–643
Proteinase, digestion of macromolecules by, *1981:* April, 359
  secretion of, *1981:* April, 359
Protein-calorie malnutrition. See ***Malnutrition, protein-calorie.***
Protein sparing, *1981:* June, 512–513
Protein-sparing modified fast, before gastric bypass surgery, *1979:* Dec., 1019
Protein-sparing therapy, *1981:* June, 597–601
  in postsurgical malnutrition, *1981:* June, 725
Proteoglycans, degradation of in arthritis, *1981:* April, 357–358
  structure of, *1981:* April, 357
Prothrombin concentration, *1981:* Feb., 202
Pseudoaneurysms, infected, traumatic, *1979:* Aug., 702
Pseudocysts, of pancreas, *1981:* Feb., 73–75
Pseudomembranous colitis, *1980:* Feb., 58–60, 63, 71
Pseudomonas vaccine, for malignant melanoma, with chemotherapy, *1981:* Dec., 1264–1265
Pseudotumor cerebri, *1980:* Feb., 69
Pulmonary. See also *Lung.*
Pulmonary arterial wedge pressure, measurement in respiratory failure, *1980:* Dec., 1417–1418
Pulmonary arteriovenous admixture, *1980:* Dec., 1403
Pulmonary artery banding, in neonates, *1981:* Oct., 1068
Pulmonary artery hypertension, congenital diaphragmatic hernia and, *1981:* Oct., 1031
Pulmonary atresia, neonatal repair of, *1981:* Oct., 1074
Pulmonary blood flow, diminished, in neonates, *1981:* Oct., 1066
  excessive, in neonates, *1981:* Oct., 1068
Pulmonary compliance, monitoring of, *1980:* Dec., 1438
Pulmonary complications, prevention and treatment of, *1980:* Dec., 1334–1337
  prevention of, techniques, *1980:* Dec., **1339–1347**
    in high risk patients, *1980:* Dec., **1359–1370**
Pulmonary contusion, in infants and children, *1981:* Oct., 1183
Pulmonary edema, *1980:* Oct., 1141–1143; Dec., 1326–1328
  causes of, *1980:* Dec., 1410
  fulminant noncardiogenic, in adult respiratory distress syndrome, *1980:* Dec., 1380–1381
  in sepsis, *1981:* June, 688–689
  relationship to infection and fibrosis, *1980:* Dec., 1328–1329
Pulmonary failure, early physiologic changes in, *1980:* Dec., 1361
Pulmonary fibrosis, characterization of, *1980:* Dec., 1379
Pulmonary function, preoperative testing of, *1980:* Dec., 1333–1334, 1352
Pulmonary hypoplasia, congenital diaphragmatic hernia and, *1981:* Oct., 1026
Pulmonary infection, in surgical patient, *1980:* Feb., **175–183**

Pulmonary infiltrate, with eosinophilia, *1980:* Feb., 70
Pulmonary microvascular membrane, physiology of, *1980:* Dec., 1373–1376
Pulmonary reactions, to antibacterials, *1980:* Feb., 70–71
Pulmonary stenosis, neonatal repair of, *1981:* Oct., 1074
Pulmonary vascular resistance (PVR), equation for, *1980:* Dec., 1444
increased, in acute respiratory distress syndrome, *1980:* Dec., 1414
Pulmonary venous connection, total anomalous, *1981:* Oct., 1065
Purpura, idiopathic thrombocytopenic, *1981:* Feb., 119
Pursestring instrument (PSI), in gastrointestinal surgery, *1980:* April, 390
PVR. See *Pulmonary vascular resistance (PVR).*
Pyelogram, intravenous, for diagnosis of genitourinary trauma, *1979:* June, 396
in renovascular hypertension, *1979:* Aug., 555
Pyelostomy, *1980:* June, 689, 691
Pyeloureteroileostomy, *1980:* June, 697
Pyloric stenosis, in infant, repair of, anesthesia in, *1979:* Oct., 913
Pyloroduodenal dilatation, *1980:* April, 256–257
Pyridoxine, *1981:* June, 505
Pyruvate kinase deficiency, *1981:* Feb., 118

QUADRIPLEGIA, respiratory paralysis and, diaphragm pacing in, *1980:* Oct., **1055–1078**
Quetelet index, *1979:* Dec., 965

RADIATION, immunosuppressive effects of, *1979:* April, 291
simultaneous occurrence of hyperparathyroidism and thyroid nodules after exposure to, *1979:* Feb., **65–75**
Radiation therapy, after resection of primary gastric lymphoma, *1979:* Oct., 881
as a cause of thyroid cancer, *1979:* Feb., 47–49
for breast cancer, *1980:* Oct., **1179–1186**
for lung cancer, *1980:* Aug., 808–809
for malignant melanoma, *1981:* Dec., 1255
for metastatic seminoma, *1981:* Dec., 1332
for nonseminomatous testicular cancer, *1981:* Dec., 1333
hazards of, *1979:* Feb., 45–46
plus surgery, for nonseminomatous testicular cancer, *1981:* Dec., 1334
postoperative, for rectal carcinoma, *1981:* Dec., 1301, 1304, 1305
preoperative: for large bowel cancer, *1981:* Dec., 1313–1315
for rectal carcinoma, *1981:* Dec., 1300–1301, 1302–1303
"sandwich" techniques, for rectal carcinoma, *1981:* Dec., 1304
Radioactive iodine therapy, for Graves' disease, *1979:* Feb., 36–38
Radiography, in screening for lung cancer, *1980:* Aug., 794
Radiography (*Continued*)
of bullous emphysema, *1980:* Aug., 858
of chest, *1980:* Dec., 1503–1518
diagnostic, *1980:* Aug., 716, 745, 747
postoperative, *1980:* Dec., 1504–1505
preoperative, *1980:* Dec., 1503–1504
of pancreas, *1981:* Feb., 17–23
of pulmonary abscess, *1980:* Aug., 837
of pulmonary fluid, *1980:* Dec., 1512–1517
Radioisotopes, in chest imaging, *1980:* Aug., 719–720
Radiology, of biliary tree, *1981:* Aug., **775–786**
Radionuclide imaging, of pancreas, *1981:* Feb., 22–23
Radionuclide scans, in cerebral ischemia, *1979:* Aug., 543
Rash, morbilliform, *1980:* Feb., 67
Recommended dietary allowances (RDA), *1981:* June, 490, 754–756, 757
Rectum. See also *Large bowel.*
carcinoma of, combination chemotherapy for, *1981:* Dec., 1318–1319
immunocompetence and, *1979:* April, 340
postoperative radiotherapy for, *1981:* Dec., 1301, 1304, 1305
preoperative radiotherapy for, *1981:* Dec., 1300–1301, 1302–1303
"sandwich" radiotherapy for, *1981:* Dec., 1304
procidentia of, *1980:* April, **451–455**
Red shock syndrome, *1980:* Feb., 166–170
Reflux, gastroesophageal. See *Gastroesophageal reflux.*
Rejection. See under particular organ.
Renal. See also *Kidney.*
Renal failure, nutritional support, *1981:* June, **661–670**
Renal osteodystrophy, parathyroid transplant in, *1979:* Feb., 168, 173
Renal revascularization, aortorenal saphenous vein bypass graft in, *1980:* June, **487–501**
Renal transplant. See *Kidney, transplant.*
Renal tubular necrosis, acute, drug-induced, *1980:* Feb., 74
Renin assays, in diagnosis of renovascular hypertension, *1979:* Aug., 556
Renovascular hypertension, aortorenal saphenous vein bypass graft for, *1980:* June, **487–501**
Replantation, of digits, *1981:* April, **383–394**
of digits and hands, *1980:* Oct, **1105–1119**
Respiratory care, in surgery, symposium on, *1980:* Dec., **1319–1575**
Respiratory distress, neonatal, assessment of, *1980:* Dec., 1522–1523
monitoring of, *1980:* Dec., 1523–1524
Respiratory distress syndrome, acute. See *Acute respiratory distress syndrome.*
adult. See *Adult respiratory distress syndrome.*
diagnosis and management of, *1980:* Aug., **983–1001**
Respiratory failure, acute, *1980:* Oct., **1133–1149**
cardiac output in, *1980:* Dec., 1407–1408
chest physiotherapy in, *1980:* Dec., 1411
evaluation and stabilization in, preoperative *1980:* Dec., 1354–1357
extracorporeal membrane oxygenation (ECMO) in, *1980:* Dec., 1408
fluid management in, *1980:* Dec., 1410–1411

Respiratory failure (*Continued*)
acute, intermittent mandatory ventilation in, *1980:* Dec., 1409
positive end-expiratory pressure in, *1980:* Dec., 1405–1406
after trauma, *1981:* June, 674–675
after trauma and sepsis, pathogenesis of, *1980:* Dec., **1373–1389**
caused by oxygen toxicity, *1980:* Dec., 1387
complications of, *1980:* Dec., 1465–1479
severe, management of, *1980:* Dec., **1403–1411**
with heart failure, monitoring of, *1980:* Dec., 1569–1570
Respiratory function, monitoring of, in acute respiratory failure *1980:* Dec., 1416–1417
in intensive care, *1980:* Dec., **1437–1445**
Respiratory infection, in surgical patient, *1980:* Feb., 121–122, **175–183**
in trauma patient, *1980:* Feb., 140
Respiratory insufficiency, after chest wall resection, *1980:* Aug., 789
Respiratory support, neonatal, *1980:* Dec., 1524–1528
Respiratory system, monitoring, in pediatric surgery, *1981:* Oct., 1003, 1006
Respiratory tract, inhalation injury of, *1980:* Oct., 1026–1029; Dec., 1533–1540
paralysis of, diaphragm pacing in, *1980:* Oct., **1055–1078**
Resting energy expenditure (REE), formula, *1981:* June, 552
Resuscitation, for thoracic trauma, *1980:* Aug., 959
Reticuloendothelial system, effect of splenectomy on, *1979:* April, 227
effect of surgical trauma on, *1979:* April, 203–204
Retinol, *1981:* June, 498
Retinol-binding protein, serum, assessment of visceral protein, *1981:* June, 453
Retractor, Balfour, *1980:* April, 399
table-fixed, *1980:* April, **399–405**
Rib, fracture of, *1980:* Aug., 962
Riboflavin, *1981:* June, 503
Ridge sensitometer test, *1981:* April, 312
Rifampin, hepatic toxicity of, *1980:* Feb., 72
toxic reaction to, *1980:* Feb., 66
Ripstein operation, for rectal prolapse, *1980:* April, 453–455
Roentgen examination. See *Radiograph* or specific procedure.
Rowachol, for gallstones, *1981:* Aug., 871
Rubber-band dynamic splint, for finger injuries, *1981:* April, 284

SABBATICAL leave, "reverse," for small hospital surgeon, *1979:* June, 527, 531
Saegesser's sign, *1981:* Feb., 3
Saphenous vein, as autograft in femoro-popliteal-tibial reconstruction, *1979:* Aug., 583–593
as autograft in revascularization, *1979:* Aug., 558–560
graft, procurement and insertion, *1980:* June, 491–501
Sarcoma, Ewing's, of chest wall, *1980:* Aug., 787
immunocompetence and, *1979:* April, 331
osteogenic, of chest wall, *1980:* Aug., 787
Scans, radionuclide, in cerebral ischemia, *1979:* Aug., 543
Schwannoma, of vestibular nerve, suboccipital microsurgical removal of, *1980:* June, **565–591**
Scintiscanning, gastroesophageal, in children, *1981:* Oct., 1108
Sclerotherapy, for varicose veins, *1979:* Aug., 746–747
Secretin, *1981:* Feb., 51
Segmentectomy, left lateral, of liver, *1980:* April, 365
Self-monitoring, in therapy for obesity, *1979:* Dec., 1009, 1011
Seminoma, mediastinal, *1980:* Aug., 770–771
metastatic, radiotherapy for, *1981:* Dec., 1332
retroperitoneal lymph node dissection for, *1981:* Dec., 1332–1333
Sensation, in peripheral nerves, *1981:* April, 306
Sepsis. See also *Infection*.
definition of, *1979:* April, 190
effect on energy expenditure, *1981:* June, 550–551
hepatic failure and, *1981:* Feb., 226–228
immunologic characteristics of, *1979:* April, 199, 208
in acute respiratory distress syndrome, *1980:* Dec., 1422–1423
in cancer patient, *1980:* Feb., 146–153
in trauma patient, *1980:* Feb., 141–142
intra-abdominal, *1980:* Feb., **197–212**
nutritional support, *1981:* June, **681–690**
protein metabolism, *1981:* June, 525
pulmonary edema, *1981:* June, 688–689
respiratory distress in, *1980:* Aug., 995–996
susceptibility, skin anergy test, 684–685
Sequestration, bronchopulmonary, *1980:* Aug., 874–880
Serratia marcescens infection, surgical, incidence of, *1980:* Feb., 19
Sexual dysfunction, after abdominoperineal resection, *1980:* Oct., 1213
Shock, emergency care, *1980:* Oct., 1013–1014
immunocompetence and, *1979:* April, 192, 204
prevention of, military anti-shock trousers for, *1979:* June, **461–470**
septic, *1980:* Feb., **161–174**
Short bowel syndrome, *1980:* Oct., **1273–1284**
Shoulder, repair of, in brachial plexus injury, *1981:* April, 344
Shunt, arteriovenous, in bronchopulmonary sequestration, *1980:* Aug., 877
for variceal hemorrhage, *1980:* Oct., **1265–1272**
in endarterectomy, *1979:* Aug., 545
pulmonary, equation for calculating fractions of, *1980:* Aug., 993
Shunting operations, for esophageal varices, *1981:* Feb., **209–219**
Shunting procedures, alternatives to, for bleeding esophageal varices, *1980:* April, **281–295**
Sigmoid, examination of, by sigmoidoscopy, *1980:* April, **465–479**
Sigmoidoscope, control mechanisms of, *1980:* April, 466–470

Sigmoidoscope (*Continued*)
flexible fiberoptic, *1979:* Oct., 794; *1980:* April, **465–479**
Silver nitrate, for burns, *1980:* Feb., 189
Silver sulfadiazine, for burns, *1980:* Feb., 188
Skin, cancer of, immunotherapy for, *1979:* April, 375
drug reactions, *1980:* Feb., 67–69
graft, success of, immunologic aspects affecting, *1979:* April, 207–208
Skin testing, delayed hypersensitivity, *1979:* April, 189–197. See also *Anergy.*
in cancer patients, *1979:* April, 326
results of, *1979:* April, 190
skin grafts and, *1979:* April, 208
technique of, *1979:* April, 190
Skinfold thickness, measurement, *1981:* June, 442–446
reference values, *1981:* June, 443–444
Skull, temporal bone and, tumors of, *1980:* June, **609–628**
Sling, Teflon, for repair of rectal prolapse, *1980:* April, 453–454
Small bowel resection, massive, nutritional problems after, *1981:* June, 727
Small hospital care, symposium on, *1979:* June, **385–531**
Smoke inhalation. See *Inhalation injury.*
Sodium cholate, dissolution of retained stones, *1981:* Aug., 945
Sodium warfarin, in prevention of pulmonary embolism, *1980:* Dec., 1345
Spastic dysphonia, *1980:* June, 645–646
Spherocytosis, hereditary, splenectomy for, *1981:* Feb., 117
Sphincter, anal, reconstruction of, *1980:* April, **457–463**
Sphincteroplasty with transampullary septectomy, *1981:* Aug., 917–919
for papillary disease, *1981:* Aug., 913–915
Spinal cord, injuries, indications for operation, *1980:* Oct., **1049–1054**
respiratory paralysis following, *1980:* Oct., **1055–1078**
Spine, cervical, injuries, *1980:* Oct., 1040–1043
injuries, spinal stabilization in, *1980:* Oct., **1035–1047**
lumbar, disk lesions and spondylosis of, *1980:* June, **649–663**
injuries, *1980:* Oct., 1046
thoracic, injuries, *1980:* Oct., 1043–1045
thoracolumbar junction, injuries, *1980:* Oct., 1046
Spirometry, in preoperative assessment of pulmonary function, *1980:* Dec., 1352
incentive, in treatment of pulmonary complications, *1980:* Dec., 1341–1343
indications for, *1980:* Dec., 1334
Spleen, autotransplantation, *1981:* Feb., 132
immunologic role of, *1980:* Feb., 142–144
infection of, *1981:* Feb., 127–128
injuries to, *1981:* Feb., 3–6, **127–134**
trauma to, in children, *1981:* Oct., **1165–1180**
Splenectomy, alternatives to, *1981:* Feb., 129–133
for hematologic disease, *1981:* Feb., **117–125**
for staging Hodgkin's disease, *1980:* April, 371–373
for trauma, *1981:* Feb., 3–6
Splenectomy (*Continued*)
immunoglobulin deficiency and, *1979:* April, 223, 227
immunologic aspects of, *1979:* April, 226–228
indications for, *1979:* April, 224–226
infection after, *1981:* Feb., 128, **135–153**
overwhelming infection after, *1979:* April, **223–233**
Splenorrhaphy, *1981:* Feb., 130
in children, *1981:* Oct., 1172
Splenosis, *1979:* April, 223, 230
Spondylosis, lumbar, disk lesions and, *1980:* June, **649–663**
Sporotrichosis, pulmonary, *1980:* Aug., 911
Sputum, examination of, *1980:* Aug., 747–748
in diagnosis of lung cancer, *1980:* Aug., 800
sampling of, in pneumonia, *1980:* Dec., 1399
Staphylococcus aureus, methicillin-resistant, *1980:* Feb., 119–120
Staphylococcus epidermidis, infection, in surgical patient, *1980:* Feb., 125
Stapler, automatic, in bronchial closure, *1980:* Aug., 889
end-to-end anastomosis (EEA), *1980:* April, 382
surgical applications of, *1980:* April, 388–393
gastrointestinal anastomosis (GIA), *1980:* April, 382
surgical applications of, *1980:* April, 384–388, 393
in gastrointestinal surgery, *1980:* April, **381–397**
ligating-dividing (LDS), *1980:* April, 394–395
thoracoabdominal (TA), *1980:* April, 381–382
surgical applications of, *1980:* April, 268–270, 292–293, 340, 384–388, 393
Starvation, clinical changes in, *1981:* June, 537–538
for massive obesity, *1979:* Dec., 987–988
prolonged, metabolic effects, *1981:* June, 536–537
stressed, metabolism in, *1981:* June, 538–541
uncomplicated, metabolic effects, *1981:* June, 529–535
"Steal" phenomenon, in intestinal ischemia, *1979:* Oct., 888–890
Stenosis, tracheal, *1980:* Dec., 1474
Sternocleidomastoid muscle flap, *1980:* Oct., 1189–1193
Sternum, cleft, *1981:* Oct., 1199
fracture of, *1980:* Aug., 964
Steroids, *1979:* April, 287–290
for aspiration pneumonia, *1980:* Dec., 1559–1560
Stevens-Johnson syndrome, *1980:* Feb., 67
Stomach. See also *Gastric.*
ulcer of, cimetidine for, *1979:* Oct., **863–867**
Stress, metabolic effects, *1981:* June, 513–514
Stress incontinence, urinary, *1980:* April, **425–435**
Stricture, benign biliary, management of, *1980:* April, **313–332**
Stroke, carotid artery disease and, *1980:* June, 518–524
prevention of, carotid surgery for, *1979:* Aug., 541–543
Subclavian catheter, discontinuance of, in TPN, *1979:* June, 435–436
Succinylcholine, in pediatric anesthesia, *1981:* Oct., 1000
Suction drainage, of chest, *1980:* Dec., 1492–1493

Sugiura procedure, for bleeding esophageal varices, *1980:* April, 289–291
Sulfobromophthalein sodium dye, *1981:* Feb., 197
Suppressor cell, definition of, *1979:* April, 254
Surgeons, education of, nontraditional, *1979:* June, 527–531
Surgery. See also names of organs or parts and procedures.
complex problems in, symposium on, *1980:* Oct., **1009–1314**
gastrointestinal, and cardiovascular, concomitant, *1979:* Oct., 899–901
new methods of, symposium on, *1979:* Oct., **759–956**
microvascular. See *Microvascular surgery.*
plastic. See *Plastic surgery.*
respiratory care in, symposium on, *1980:* Dec., **1319–1575**
techniques, symposium on, *1980:* April, 245–479; June, **485–710**
vascular, gastrointestinal, complications of, *1979:* Oct., **885–903**
in small hospital, *1979:* June, **519–526**
registry of, *1979:* June, 524
Surgical patient, prophylactic antibiotics for, *1980:* Feb., **83–92**
Surgical risk, morbid obesity and, *1979:* Dec., 973
Swan-Ganz catheter, assessment of postive-end expiratory pressure with, *1980:* Dec., 1407
Sympathectomy, lumbar, for arterial disease in lower extremities, *1979:* Aug., **719–735**
Sympathetic nerves, lumbar, vasoconstriction and, *1979:* Aug., 722–724
Syndrome. See specific syndrome.
Synovial fluid, role in tendon nutrition, *1981:* April, 274
Systems, multiple, failure of, *1980:* Oct., **1167–1178**

T-CELL, circulating, in serial assays, *1979:* April, 273
effect of splenectomy on, *1979:* April, 227
immunologic role of, *1979:* April, 206, 208, 235, 237, 305–307, 324, 327
subpopulations of, *1979:* April, 246
surface markers, *1979:* April, 239
T-tube, drainage after common bile duct stone removal, *1981:* Aug., 905–906
extraction of common bile duct stones, *1981:* Aug., 906
for stent in choledochoplasty, *1980:* April, 323–324
in biliary tract surgery, *1980:* April, 298–299
with choledochojejunostomy, *1980:* April, 343
T-tube cholangiography, postoperative, discovery of retained stones, *1981:* Aug., 943–944
^{99m}Tc cholescintigraphy, *1981:* Aug., **827–842**
Tachypnea, neonatal, *1980:* Dec., 1522
Tactile gnosis, testing of, *1981:* April, 315
Tamponade, cardiac, after trauma, *1980:* Aug., 977–978; Dec., 1545
in infants and children, *1981:* Oct., 1194
Tanner procedure, for bleeding esophageal varices, *1980:* April, 286–288
^{99m}Technetium pertechnetate scintigraphy, in thyroid scan, *1979:* Feb., 12, 59
Teflon sling, for repair of rectal prolapse, *1980:* April, 453–454
Temporal bone, skull base and, tumors of, *1980:* June, **609–628**
Tendon, blood supply of, *1981:* April, 273
intrinsic healing potential of, *1981:* April, 274–275
nutrition of, role of synovial fluid in, *1981:* April, 274
of hand, anatomic nomenclature of, *1981:* April, 267–268
Teratoma, mediastinal, *1980:* Aug., 769–770
Testes, cancer, nonseminomatous, chemotherapy for, *1981:* Dec., 1333–1334
radiotherapy for, *1981:* Dec., 1333
surgery plus radiotherapy for, *1981:* Dec., 1334
nonpalpable undescended, localization and management, *1980:* Oct., **1253–1263**
Tests. See also specific test.
Doppler, in diagnosis of femoro-popliteal-tibial occlusive disease, *1979:* Aug., 582–583
in postoperative monitoring of bypass graft surgery, *1979:* Aug., 655
for carcinoembryonic antigen, *1979:* Oct., 832
for gangrene of bowel, *1979:* Oct., 873
for gastroesophageal reflux, *1979:* Oct., 842–843
for gastrointestinal lymphoma, *1979:* Oct., 878–880
for intestinal vascular viability, *1979:* Oct., 891
for muscle strength, *1981:* April, 303–304
laboratory, preoperative, in chronic lung disease, *1980:* Dec., 1353
noninvasive, for vascular disease, *1979:* Aug., **707–717**
of pulmonary function, preoperative, *1980:* Dec., 1352
predictive, before lumbar sympathectomy, *1979:* Aug., 725–727
renin, for diagnosis of renal hypertension, *1979:* Aug., 556
Tetracyclines, hepatotoxicity of, *1980:* Feb., 73
Tetralogy of Fallot, correction of, *1981:* Oct., 1066
Thermogenesis, *1981:* June, 548–549
Thermoregulation, in pediatric surgery, *1981:* Oct., 1005
Thiamine, *1981:* June, 502–503
Thiotepa, for large bowel cancer, *1981:* Dec., 1315
for large bowel carcinoma, *1981:* Dec., 1297
for superficial bladder tumors, *1981:* Dec., 1335–1336
Thoracentesis, for thoracic empyema, *1980:* Aug., 845
Thoracic. See also *Chest.*
Thoracic duct, cannulation, immunosuppressive effects of, *1979:* April, 292
injury to, in children, *1981:* Oct., 1188
Thoracic outlet syndrome, *1980:* Aug., **947–956**
shoulder-girdle exercises for, *1980:* Aug., 937–938
Thoracic spine, injuries, *1980:* Oct., 1043–1045
Thoracoplasty, for thoracic outlet syndrome, *1980:* Aug., 953–954
in management of tuberculous disease, *1980:* Aug., 889
Thoracostomy, tube, for spontaneous pneumothorax, *1980:* Aug., 853–854
Thoracotomy, analgesia after, *1980:* Dec., 1495

Thoracotomy (*Continued*)
closure of, *1980:* Dec., 1483, 1486
early, for thoracic trauma, *1980:* Aug., **960**
emergency, *1980:* Oct., 1013
for esophageal lesions, *1980:* April, 266–267, 272–273
for spontaneous pneumothorax, *1980:* Aug., 855
indications in children, *1981:* Oct., 1183
posterolateral, in resection for tuberculous diseases, *1980:* Aug., 888
preoperative evaluation for, *1980:* Dec., 1481
ventilation during, *1980:* Dec., 1488–1489
Thorax. See *Chest.*
Thrombocytopenia, splenectomy for, *1981:* Feb., 119–120
Thromboembolism, pulmonary, *1980:* Dec., 1571–1575
effect on pulmonary function, *1980:* Dec., 1332
Thrombophlebitis, as cause of varicose veins and stasis ulcers, surgery for, *1979:* Aug., 744
in peripheral parenteral nutrition, *1981:* June, 601
Thrombosis, arterial, following operation for vascular reconstruction, *1979:* Aug., 660, 663
coronary vein, for bleeding esophageal varices, *1980:* April, 282–283
deep venous, Doppler examination for, *979:* June, 502–503
Thumb, deformity of, in cerebral palsy, treatment, *1981:* April, 402
Thumb-in-palm deformity, *1981:* April, 403
Thymectomy, for myasthenia gravis, *1980:* Aug., 935–936, 938, 939–942
Thymoma, *1980:* Aug., 766–768
Thymus, cultured, fragments of,
immunocompetence and, *1979:* April, 304
immunodeficiency and, *1979:* April, 305–311
relationship to myasthenia gravis, *1980:* Aug., 937–938
transplantation of, for relief of immunodeficiency disases, *1979:* April, **299–312**
Thyroglobulin, as tumor marker, *1979:* April, 317
Thyroid gland, anatomy, ultrasonic, *1979:* Feb., 22
adenoma of, ultrasonic characteristics, *1979:* Feb., 24
carcinoma of, from radiation therapy, *1979:* Feb., 47–49
hyperparathyroidism and radiation and, *1979:* Feb., **65–75**
medullary, diarrheogenic syndrome in, *1979:* Feb., 151
hormone production and, *1979:* Feb., 103
surgery for, *1979:* Feb., 67, 88
tests for, *1979:* Feb., 50–51
crisis, thyroidectomy and, *1979:* Feb., 84
cysts of, *1979:* Feb., 17
ectopic subhyoid, ultrasonic characteristics, *1979:* Feb., 28–29
irradiation of, *1979:* Feb., **45–63**
lesions of, cystic, aspiration therapy of, *1979:* Feb., 30
ultrasonic diagnosis, *1979:* Feb., 23
diffuse, ultrasonic diagnosis, *1979:* Feb., 26–28
mixed, ultrasonic diagnosis, *1979:* Feb., 25
Thyroid gland (*Continued*)
lesions of, solid, ultrasonic diagnosis, *1979:* Feb., 25
nodular disease, aspiration biopsy cytology in, *1979:* Feb., **3–18**
radiation therapy, *1979:* Feb., 47
surgery for, *1979:* Feb., 52–57
post-radiation management of patients, *1979:* Feb., 52
radiation exposure and hyperparathyroidism and simultaneously occuring nodules, *1979:* Feb., **65–75**
scintigraphy of, *1979:* Feb., 12, 14–15
tumor, *1980:* Aug., 772
aspiration biopsy cytology, *1979:* Feb., 4–11
technique of puncture, *1979:* Feb., 4
ultrasonic diagnosis, *1979:* Feb., 19–33
Thyroid disease, surgery for, complications, *1979:* Feb., **83–92**
hypoparathyroidism and, *1979:* Feb., 88–92
Thyroid scan, *1979:* Feb., 58
Thyroidectomy, for carcinoma, parathyroid transplant in, *1979:* Feb., 169, 175
hypocalcemia and, *1979:* Feb., 89–91
in Graves' disease, *1979:* Feb., **35–44**
clinical evaluation of, *1979:* Feb., 41–42
complications of, *1979:* Feb., 40–41
myxedema and, *1979:* Feb., 88
nerve injury and, *1979:* Feb., 85–87
thyroid suppression therapy following, *1979:* Feb., 88
Thyroiditis, diagnosis of, aspiration biopsy cytology technique, *1979:* Feb., 8
Tic douloureux, refractory, microsurgical techniques for, *1980:* June, **593–607**
Tidal volume, monitoring of, *1980:* Dec., 1437–1438
Tinel's sign, *1981:* Apr., 306–307
TNM staging, of bronchial carcinoma, *1981:* Dec., 1283
of lung cancer, *1980:* Aug., 802–804
Toe, transplantation of, for digital aplasia, *1981:* Apr., 4
Total parenteral nutrition. See *Hyperalimentation; Nutrition, total parenteral (TPN).*
Trace element, deficiencies, syndromes of, *1981:* June, 440
intake during TPN, *1980:* Oct., 1244–1245
Trachea, rupture of, *1980:* Dec., 1475–1476
stenosis of, *1980:* June, 646–647; Dec., 1474
Tracheobronchial tree, injury to, in children, *1981:* Oct., 1190
rupture of, *1980:* Dec., 1546
trauma to, *1980:* Aug., 970–971
Tracheoesophageal fistula, *1981:* Oct., ***1051–1061***
Tracheostomy, acute complications of, *1980:* Dec., 1462–1463
for respiratory distress, *1980;* Aug., 998
neonatal, *1980:* Dec., 1531
permanent, for bilateral high vagal paralysis, *1980:* Oct., 1089–1091
technique, *1980:* Dec., 1457–1459
versus endotracheal intubation, *1980:* Dec., 1448–1449
Tracheotomy, technique and complications, *1980:* Oct., **1093–1104**

Traction, for cervical fractures or dislocations, *1980:* Oct., 1040–1043
Transaminase, serum, *1981:* Feb., 201
Transcutaneous phrenic nerve stimulation (TPNS), *1980:* Oct., 1057
Transection, esophageal, for bleeding varices, *1980:* April, 291
Transfer factor, as immunotherapy for malignant melanoma, *1981:* Dec., 1251
Transferrin, serum, assessment of visceral protein, *1981:* June, 457–458
Transhepatic cholangiography, percutaneous, *1981:* Feb., 25–28, 101
Transhepatic tube, in biliary tract surgery, *1980:* April, 303–309
  percutaneous, in biliary tract surgery, *1980:* April, 309–311
Transient ischemic attacks, as indication for endarterectomy, *1979:* Aug., 541
  as warning of stroke, *1979:* Aug., 539
  carotid artery disease and, *1980:* June, 521–524
  microsurgical vascular bypass for, *1980:* June, **555–563**
Transplantation, autosplenic, immunologic function, *1979:* April, 223, 230
  immunosuppression and, *1979:* April, 294–297
    aspergillosis and, *1980:* Aug., 916
    immune reactivity of recipients of, *1979:* April, 272–274, 253–281
    rejection of, *1979:* April, 270, 274, 277, 285, 293–294
  pancreas, *1981:* Feb., **85–98**
  pancreatic islet cell, *1981:* Feb., 91–95
Trauma. See also *Injuries; Wounds;* and under names of organs.
  anergy and, *1979:* April, 192, 199–209
  bladder, *1979:* June, 405
  effect on body composition, *1981:* June, 732–734
  effect on energy expenditure, *1981:* June, 550–551
  emergency care, *1980:* Oct., **1009–1020**
    documentation of, *1980:* Oct., 1017–1020
  from burns, and immunosuppression, *1979:* April, 202, 205, 207
  from perioperative infiltration and extravasation, *1979:* Oct., **939–949**
  genitourinary, management in small hospitals, *1979:* June, **395–409**
  hepatic, *1981:* Feb., 11–14
  infection and, *1980:* Feb., **133–144**
  metabolism after, *1981:* June, 672–674
  multiple, blood studies in, *1980:* Oct., 1015–1016
  nutrition in, *1981:* June, 671–679
  pancreatic, *1981:* Feb., 6–11
  posterior urethral, *1979:* June, 405–406
  protein metabolism after, *1981:* June, 524
  renal, *1979:* June, 396–403
  severe, host defense and, *1980:* Feb., 108–110
  splenic, *1979:* April, 224, 229; Feb., 3–6, **127–134**
  splenic and hepatic, in children, *1981:* Oct., **1165–1180**
  thoracic, *1980:* Aug., **957–981**; Dec., **1541–1549**
    in children, *1981:* Oct., **1181–1197**
  to ureters, *1979:* June, 403–405
Trauma (*Continued*)
  vascular, in Vietnam war, *1979:* June, 522
Triethylenethiophosphoramide. See *Thiotepa.*
Trigeminal neuralgia, refractory, microsurgical techniques for, *1980:* June, **593–607**
Triglycerides, serum, in morbidly obese, *1979:* Dec., 970
Trocar, sleeve and, in laparoscopy, *1980:* April, 408–409, 416–418
Trousers, military anti-shock, in small hospital, *1979:* June, **461–470**
Tubal ligations, laparoscopy for, *1979:* June, 451–458
Tube feeding. See also *Enteral nutritional therapy.*
  complications of, *1979:* Oct., 778
  nasoduodenal, *1981:* June, 610–611
Tube(s), in biliary tract surgery, *1980:* April, **297–312**
  double lumen endotracheal, in thoracic operations, *1980:* Aug., 887–888
Tuberculosis, atypical infections, *1980:* Aug., 889–890
  in immune-compromised patient, *1980:* Aug., 921–922
  pediatric, operative intervention in, *1980:* Aug., 894
  surgical management of, *1980:* Aug., **883–895**
Tumors. See also *Carcinoma;* specific tumors; and names of organs.
  carcinoid, mediastinal, *1980:* Aug., 773
  chromaffin. See *Pheochromocytoma.*
  doubling time, *1980:* Aug., 819–820
  germ cell, mediastinal, *1980:* Aug., 769–771
  hepatic, *1981:* Feb., **181–196**
    in children, *1981:* Oct., **1209–1217**
    malignant, *1981:* Feb., **169–180**
  intracranial, immunocompetence and, *1979:* April, 332
  malignant, anergy and, *1979:* April, 194
  malignant retroperitoneal, in children, *1981:* Oct., **1219–1237**
  neurogenic, of intercostal nerves, *1980:* Aug., 784
    mediastinal, *1980:* Aug., 764–766
  of bronchus, benign, *1980:* Aug., 825–834
  of chest wall, *1980:* Aug., 779–791
  Pancoast's, radiographic appearance of, *1980:* Aug., 799
  pulmonary, *1980:* Aug., 825–834
  superior sulcus, five-year survival rate of patients with, *1981:* Dec., 1285
    radiographic appearance of, *1980:* Aug., 799
  thyroid, *1980:* Aug., 772
Tumor board, in small hospital cancer care, *1979:* June, 442
Tumor cells, modification of, to increase immunogenicity, *1979:* April, 350–353
Tumor markers, enzyme, *1979:* April, 314, 353–354
    prostatic acid phosphatase, *1979:* April, 320
  hormonal, *1979:* April, 313–317
    calcitonin, *1979:* April, 316
    gastrin, *1979:* April, 314
    insulin, *1979:* April, 315
    parathormone, *1979:* April, 317

Tumor markers (*Continued*)
protein, *1979:* April, 314, 317–319
alpha-fetoprotein, *1979:* April, 319
carcinoembryonic antigen (CEA), *1979:* April, 318
thyroglobulin, *1979:* April, 317
Tumor registry, in small hospital cancer care, *1979:* June, 442
Two-point discrimination test, moving, *1981:* April, 311–312
Weber, *1981:* April, 310–311
Tympanic neurectomy, *1980:* Oct., 1088

U TUBE, in biliary tract surgery, *1980:* April, 305–306
Ulcer, acute gastroduodenal, severe burn injury and, *1980:* Oct., 1029–1031
anastomotic, cimetidine for, *1979:* Oct., 864
duodenal, cimetidine for, *1979:* Oct., 863–864
complicating cardiovascular operation, *1979:* Oct., 898–899
parietal cell vagotomy for, *1980:* April, **247–263**
gastric. See also *Stomach, ulcer.*
cimetidine for, *1979:* Oct., 864
peptic. See also *Duodenum, ulcer.*
cimetidine for, *1979:* Oct., **863–867**
stasis, after thrombophlebitis, surgery for, *1979:* Aug., 744
surgery for, complications of, *1979:* Oct., 935–936
selection of patients for, *1979:* Oct., 936–938
Ulcer diathesis, pancreatic islet cell tumors and, *1979:* Feb., 136
Ulcerative colitis, in children, *1981:* Oct., 1125–1131
TPN in, *1981:* June, 702
Ultrasonography, acoustic principles of, *1979:* Feb., 19
for gallbladder disease, *1981:* Aug., 794–795
in acute cholecystitis, *1981:* Aug., 889
in biliary tract disease, versus CT, *1981:* Aug., 787–788
in examination of chest, *1980:* Aug., 725
in small hospital practice, *1979:* June, **501–505**
of biliary tree, *1981:* Aug., 800–801, 806
of liver, *1981:* Aug., 808, 812
of liver and biliary system, *1981:* Aug., 791–794
of pancreas, *1981:* Feb., 28–32, 36–37, 101; Aug., 794
of pancreatic disease, *1981:* Aug., 814, 930
of thyroid, *1979:* Feb., **19–33**
technology of, *1979:* Feb., 20
Ultrasound tests, in diagnosis of peripheral arterial aneurysm, *1979:* Aug., 700
Upper extremity, flaps for, *1981:* Apr., 294
implant arthoplasty in, *1981:* Apr., 369–382
injuries to, revascularization after, *1981:* Apr., **290–291**
severe, management, *1981:* April, **287–301**
Ureter, ileal replacement of, *1980:* June, 695, 697
Ureterocolic anastomosis, in children, *1981:* Oct., 1150
Ureteroileocutaneous (ileal loop) diversion, *1980:* June, 694–696
Ureteroileosigmoidostomy, *1980:* June, 700–701
Ureteroileostomy, in infants and children, *1981:* Oct., 1148
Ureterosigmoidostomy, *1980* June, 700–701
Ureterostomy, cutaneous, *1980:* June, 689, 691
in infants and children, *1981:* Oct., 1148
intubated, *1980:* June, 689, 691
Urethra, posterior, trauma to, *1979:* June, 405–406
urinary stress incontinence and, *1980:* April, **425–435**
Urethral catheter, for urinary diversion, *1980:* June, 692–694
Urethral dysfunction, after abdominoperineal resection, *1980:* Oct., 1211–1213
Urethrogram, retrograde, for diagnosis of genitourinary trauma, *1979:* June, 396
Urethrostomy, perineal, *1980:* June, 693, 694
Urinary diversion, types and techniques, *1980:* June, **687–702**
Urinary retention, differential diagnosis, *1980:* Oct., 1209
Urinary stress incontinence, *1980:* April, **425–435**
surgical management of, *1980:* April, 430–435
Urinary tract. See also *Genital tract; Genitourinary tract.*
infection, in surgical patient, *1980:* Feb., 122–124, **223–231**
in trauma patient, *1980:* Feb., 137–138
reflux, diversion procedures in infants and children, *1981:* Oct., **1147–1164**
Urobilinogen, in assessing liver function, *1981:* Feb., 199
Urolithiasis, oxalate, after jejunoileal bypass, *1979:* Dec., **1071–1077**
Ursodeoxycholic acid, for gallstones, *1981:* Aug., 870–871
Uterine bleeding, as indication for vaginal hysterectomy, *1980:* April, 448–449
Uterine probe, *1980:* April, 303

VACCINATION, pneumococcal, for overwhelming postsplenectomy infection, *1979:* April, 228
Vaginal hysterectomy, *1980:* April, **437–449**
Vagotomy, for morbid obesity, *1979:* Dec., **1131–1138**
parietal cell, *1979:* Oct., **951–956**; *1980:* April, **247–263**
Vagus nerves, anatomy of, *1980:* April, 248–250
paralysis of, *1980:* Oct., **1079–1092**
"Valley fever," *1980:* Aug., 902, 903
Valve(s), cardiac, trauma to, *1980:* Aug., 977
venous, incompetence of, in varicose veins, *1979:* Aug., 737–741
Vanillylmandelic acid, elevated, with ganglioneuroma and neuroblastoma, *1980:* Aug., 764
Variceal hemorrhage, shunts for, *1980:* Oct., **1265–1272**
Varicella zoster virus, pulmonary infection with, *1980:* Aug., 925–926
Varices, esophageal, management of hemorrhage in, *1980:* April, **281–295**
Vascular bypass, microsurgical, for cerebrovascular disease, *1980:* June, **555–563**

Vascular change, in inflammatory response, *1980:* Feb., 93–96
Vascular injury, fracture and, *1980:* Oct., 1128–1129
Vascular laboratory, noninvasive, in small hospital, *1979:* June, **501–505**
Vascular surgery, in small hospital, *1979:* June, **519–526**
Vasoactive intestinal peptide, *1981:* Feb., 52
Vater, ampulla of, cancer of, *1981:* Feb., **99–106**
Vein(s), popliteal, repair of, *1979:* June, 517
ultrasonographic examination of, *1979:* June, 505
saphenous, as autograft in femoro-popliteal-tibial reconstruction, *1979:* Aug., 583–593
as autograft, in intestinal revascularization, 1979: Aug., 642, 645–646
in kidney revascularization, *1979:* Aug., 558–560
for popliteal artery grafting, *1979:* June, 510
stripping of, for varicose veins, *1979:* Aug., 743–746
varicose, surgery for, *1979:* Aug., **737–748**
Vena cava, trauma to, *1980:* Aug., 980
Venography, for confirmation of Doppler examination, *1979:* June, 503
gonadal, in localization of undescended testes, *1980:* Oct., **1253–1263**
Venous pressure. See under *Blood, pressure.*
Venous thrombosis. See under *Thrombosis.*
Ventilation. See also specific modes.
assist-control, *1980:* Dec., 1431
during thoracotomy, *1980:* Dec., 1488–1489
high frequency, *1980:* Dec., 1433
intermittent mandatory. See *Intermittent mandatory ventilation.*
mechanical, for neonatal respiratory distress, *1980:* Dec., 1525–1527
techniques of, *1980:* Dec., **1429–1435**
negative-pressure techniques, *1980:* Dec., 1434–1435
positive-pressure, for aspiration pneumonia, *1980:* Dec., 1562
Ventilation-perfusion, abnormalities, in acute respiratory distress syndrome, *1980:* Dec., 1415–1416
imbalance of, as response to pulmonary injury, *1980:* Dec., 1324–1325
Ventilatory support, prolonged, selection of technique, *1980:* Dec., 1362–1364
weaning from, *1980:* Dec., 1366–1367
Ventilatory therapy, heart failure during, *1980:* Dec., 1368–1369
Verres needle, for pneumoperitoneum, *1980:* April, 407–408
Vertebrae. See under *Spine.*
Vesicostomy, in infants and children, *1981:* Oct., 1149
Vessels, great. See *Great vessels.*
Vestibular nerve, schwannoma of, suboccipital microsurgical removal of, *1980:* June, **565–591**
Veterans Administration Surgical Oncology Group, principal investigators, *1981:* Dec., 1312
Vinblastine, for nonseminomatous testicular cancer, *1981:* Dec., 1333–1334
in combination chemotherapy for malignant melanoma, *1981:* Dec., 1253
Vital capacity, monitoring of, *1980:* Dec., 1437–1438
Vitamin requirements, *1981:* June, 498–506
in congestive heart failure, *1981:* June, 644
parenteral requirements, *1980:* Oct., 1245
Vitamin deficiencies, clinical signs of, *1981:* June, 440
Vitamin K, in treatment of postoperative bile gastritis, *1979:* Oct., 785
Vocal cord paralysis, surgical treatment, *1980:* June, 638–641
Voice restoration, after laryngectomy, *1980:* June, 641–645
Volkmann's ischemic contracture, *1980:* June, 668
von Frey test, *1981:* April, 307–309
von Recklinghausen's disease, bilateral acoustic neuroma and, *1980:* June, 588

WATER, normal needs, *1981:* June, 491–492
Waterhouse-Friderichsen syndrome, *1979:* April, 224
Weaning, from mechanical ventilator assistance, *1980:* Aug., 996–998; Dec., 1366–1367, 1409–1410
Weight. See *Body weight.*
Weight loss, in pancreatic cancer, *1981:* Feb., 99
Weight reduction, behavior modification techniques in, *1979:* Dec., **1007–1015**
medical regimens for, risks of, *1979:* Dec., 974
plastic reconstruction after, *1979:* Dec., **1139–1152**
Wernig-Hoffmann disease, *1981:* Oct., 1024
Whipple procedure, for pancreatic lesion, *1980:* April, 338–341
Whipple's triad, in insulinoma, *1979:* Feb., 119
Wilms' tumor, *1981:* Oct., 1220–1225, 1227
Wound(s). See also *Injuries; Trauma;* and under names of organs.
in trauma patient, *1980:* Feb., 138–140
open, management, *1980:* Oct., 1124–1125
surgical, classification of, *1980:* Feb., 87–88
infection of, incidence and cost, *1980:* Feb., **15–25**
Wrinkled finger sign, *1981:* April, 307
Wrist, sprains of, *1980:* June, 676

XENON 133 scan, pulmonary, for inhalation injury, *1980:* Dec., 1536
X-ray. See *Radiograph.*

Y TUBE, modified, in biliary tract surgery, *1980:* April, 299–303

ZINC deficiency, with parenteral nutrition in children, *1981:* Oct., 1096
Zollinger-Ellison syndrome, *1979:* April, 315
cimetidine for, *1979:* Oct., 864
gastrinoma and, *1979:* Feb., 137–138